

1/4 8536-23 17-21

<p>US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (75-767) WASHINGTON, DC 20460</p> <p>NOTICE OF PESTICIDE: <input type="checkbox"/> REGISTRATION <input type="checkbox"/> REREISTRATION (Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)</p>	<p>EPA REGISTRATION NO. 8536-23</p> <p>TERM OF ISSUANCE</p> <p>NAME OF PESTICIDE PRODUCT Bio-Glor 37</p>	<p>DATE OF ISSUANCE SEP 26 1988</p>
<p>NAME AND ADDRESS OF REGISTRANT (Include ZIP code)</p> <p>1</p> <p>2</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>7</p> <p>8</p> <p>9</p> <p>10</p>		
<p>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.</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>A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.</p> <p>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.</p> <p>1. The registrant is required to submit a copy of the labeling for this product to the Registration Division, Office of Pesticides Programs, U.S. Environmental Protection Agency, Washington, DC 20460, for review and approval. The labeling must be submitted in accordance with the requirements of the Act and the regulations thereunder. The labeling must be submitted in duplicate, one copy in English and one copy in Spanish, and must be accompanied by a copy of the product label. The labeling must be submitted in a format that is acceptable to the Agency. The labeling must be submitted in a format that is acceptable to the Agency. The labeling must be submitted in a format that is acceptable to the Agency.</p> <p>2. The registrant is required to submit a copy of the labeling for this product to the Registration Division, Office of Pesticides Programs, U.S. Environmental Protection Agency, Washington, DC 20460, for review and approval. The labeling must be submitted in accordance with the requirements of the Act and the regulations thereunder. The labeling must be submitted in duplicate, one copy in English and one copy in Spanish, and must be accompanied by a copy of the product label. The labeling must be submitted in a format that is acceptable to the Agency. The labeling must be submitted in a format that is acceptable to the Agency. The labeling must be submitted in a format that is acceptable to the Agency.</p> <p>3. The registrant is required to submit a copy of the labeling for this product to the Registration Division, Office of Pesticides Programs, U.S. Environmental Protection Agency, Washington, DC 20460, for review and approval. The labeling must be submitted in accordance with the requirements of the Act and the regulations thereunder. The labeling must be submitted in duplicate, one copy in English and one copy in Spanish, and must be accompanied by a copy of the product label. The labeling must be submitted in a format that is acceptable to the Agency. The labeling must be submitted in a format that is acceptable to the Agency. The labeling must be submitted in a format that is acceptable to the Agency.</p> <p>4. The registrant is required to submit a copy of the labeling for this product to the Registration Division, Office of Pesticides Programs, U.S. Environmental Protection Agency, Washington, DC 20460, for review and approval. The labeling must be submitted in accordance with the requirements of the Act and the regulations thereunder. The labeling must be submitted in duplicate, one copy in English and one copy in Spanish, and must be accompanied by a copy of the product label. The labeling must be submitted in a format that is acceptable to the Agency. The labeling must be submitted in a format that is acceptable to the Agency. The labeling must be submitted in a format that is acceptable to the Agency.</p> <p>5. The registrant is required to submit a copy of the labeling for this product to the Registration Division, Office of Pesticides Programs, U.S. Environmental Protection Agency, Washington, DC 20460, for review and approval. The labeling must be submitted in accordance with the requirements of the Act and the regulations thereunder. The labeling must be submitted in duplicate, one copy in English and one copy in Spanish, and must be accompanied by a copy of the product label. The labeling must be submitted in a format that is acceptable to the Agency. The labeling must be submitted in a format that is acceptable to the Agency. The labeling must be submitted in a format that is acceptable to the Agency.</p> <p>6. The registrant is required to submit a copy of the labeling for this product to the Registration Division, Office of Pesticides Programs, U.S. Environmental Protection Agency, Washington, DC 20460, for review and approval. The labeling must be submitted in accordance with the requirements of the Act and the regulations thereunder. The labeling must be submitted in duplicate, one copy in English and one copy in Spanish, and must be accompanied by a copy of the product label. The labeling must be submitted in a format that is acceptable to the Agency. The labeling must be submitted in a format that is acceptable to the Agency. The labeling must be submitted in a format that is acceptable to the Agency.</p> <p>7. The registrant is required to submit a copy of the labeling for this product to the Registration Division, Office of Pesticides Programs, U.S. Environmental Protection Agency, Washington, DC 20460, for review and approval. The labeling must be submitted in accordance with the requirements of the Act and the regulations thereunder. The labeling must be submitted in duplicate, one copy in English and one copy in Spanish, and must be accompanied by a copy of the product label. The labeling must be submitted in a format that is acceptable to the Agency. The labeling must be submitted in a format that is acceptable to the Agency. The labeling must be submitted in a format that is acceptable to the Agency.</p> <p>8. The registrant is required to submit a copy of the labeling for this product to the Registration Division, Office of Pesticides Programs, U.S. Environmental Protection Agency, Washington, DC 20460, for review and approval. The labeling must be submitted in accordance with the requirements of the Act and the regulations thereunder. The labeling must be submitted in duplicate, one copy in English and one copy in Spanish, and must be accompanied by a copy of the product label. The labeling must be submitted in a format that is acceptable to the Agency. The labeling must be submitted in a format that is acceptable to the Agency. The labeling must be submitted in a format that is acceptable to the Agency.</p> <p>9. The registrant is required to submit a copy of the labeling for this product to the Registration Division, Office of Pesticides Programs, U.S. Environmental Protection Agency, Washington, DC 20460, for review and approval. The labeling must be submitted in accordance with the requirements of the Act and the regulations thereunder. The labeling must be submitted in duplicate, one copy in English and one copy in Spanish, and must be accompanied by a copy of the product label. The labeling must be submitted in a format that is acceptable to the Agency. The labeling must be submitted in a format that is acceptable to the Agency. The labeling must be submitted in a format that is acceptable to the Agency.</p> <p>10. The registrant is required to submit a copy of the labeling for this product to the Registration Division, Office of Pesticides Programs, U.S. Environmental Protection Agency, Washington, DC 20460, for review and approval. The labeling must be submitted in accordance with the requirements of the Act and the regulations thereunder. The labeling must be submitted in duplicate, one copy in English and one copy in Spanish, and must be accompanied by a copy of the product label. The labeling must be submitted in a format that is acceptable to the Agency. The labeling must be submitted in a format that is acceptable to the Agency. The labeling must be submitted in a format that is acceptable to the Agency.</p> <p>BEST AVAILABLE COPY</p> <p><input type="checkbox"/> ATTACHMENT IS APPLICABLE</p> <p>SIGNATURE OF APPROVING OFFICIAL</p> <p>DATE</p>		

**RESTRICTED USE PESTICIDE
DUE TO ACUTE TOXICITY**

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.

PIC-CLOR-35

PREPLANT SOIL FUMIGANT

ACTIVE INGREDIENTS:

1,3-Dichloropropene	61%
Chloropicrin	35%

INERT INGREDIENTS:

Primarily Chlorinated Propenes and Propanes	4%
TOTAL (By Weight):	100%

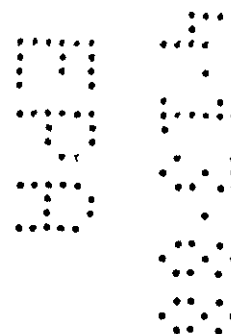
Contains 6.82 pounds of 1,3-Dichloropropene and 3.91 pounds of Chloropicrin per gallon

ACCEPTED
with COMMENTS
in EPA Letter Dated:

SEP 26 1988

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

8536-23



3/14

KEEP OUT OF REACH OF CHILDREN

DANGER



PELIGRO

POISON

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

IN ALL CASES OF OVEREXPOSURE, GET
MEDICAL ATTENTION IMMEDIATELY
TAKE PERSON TO A DOCTOR OR TO AN
EMERGENCY TREATMENT FACILITY

STATEMENT OF PRACTICAL TREATMENT

IF INHALED: Get exposed person to fresh air. Keep warm. Make sure person can breathe freely. If breathing has stopped, give artificial respiration. Do not give anything by mouth to any unconscious person. Seek medical attention.

IF ON SKIN: Immediately remove contaminated clothing, shoes, and other items covering the skin. Wash contaminated skin area thoroughly with soap and water.

IF IN EYES: Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes.

NOTE TO PHYSICIAN: Chloropicrin is a volatile liquid that is the active ingredient in tear gas. As a gas it is a powerful lachrymator. Early symptoms of overexposure are lachrymation, respiratory distress, and vomiting. Pulmonary edema may develop later. Treatment is symptomatic.

See Side Panel For Additional Precautionary Statements.



Soil
Chemicals
Corporation
PRODUCTS

P.O. BOX 782 • HOLLISTER, CA 95024

E.P.A EST 8536-CA-1,2,3,4-FL-1
E.P.A. REG. NO. 8536-EG

NET CONTENTS LBS.

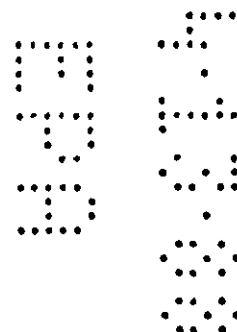
PRECAUTIONARY STATEMENTS
HAZARD TO HUMANS
AND DOMESTIC ANIMALS:

D A N G E R

THIS FUMIGANT IS HIGHLY HAZARDOUS MATERIAL AND MUST BE HANDLED WITH CARE ONLY BY THOSE INDIVIDUALS EXPERIENCED WITH ITS PROPER USE. CONSULT YOUR REPRESENTATIVE OR DEALER FOR CORRECT PROCEDURE BEFORE USING. READ AND FOLLOW ALL LABEL DIRECTIONS AND PRODUCT LITERATURE SPECIFIC TO YOUR REQUIREMENTS.

POISONOUS LIQUID AND VAPOR. MAY BE FATAL IF INHALED, ABSORBED THROUGH SKIN, OR SWALLOWED. THE CHLOROPICRIN PORTION OF THIS FUMIGANT IS READILY IDENTIFIABLE BY SMELL. EXPOSURE TO VERY LOW CONCENTRATIONS OF VAPOR WILL CAUSE IRRITATION OF EYES, NOSE, AND THROAT. CONTINUED EXPOSURES AFTER IRRITATION IS EVIDENT OR HIGHER CONCENTRATIONS MAY CAUSE PAINFUL IRRITATION TO EYES OR TEMPORARY BLINDNESS. LIQUID WILL CAUSE CHEMICAL BURNS TO SKIN OR EYES. DO NOT GET ON SKIN, IN EYES, OR ON CLOTHING. HARMFUL OR FATAL IF SWALLOWED.

THIS FUMIGANT HAS THE CAPACITY TO CAUSE MARKED IRRITATION TO THE UPPER RESPIRATORY TRACT AND IS A STRONG LACHRYMATOR (TEAR PRODUCING EYE IRRITANT). LOW CONCENTRATIONS, BELOW THOSE NECESSARY TO CAUSE SERIOUS SYSTEMIC INTOXICATION, ARE CAPABLE OF CAUSING SEVERELY PAINFUL EYE IRRITATION, HENCE WILL NOT BE VOLUNTARILY TOLERATED. HOWEVER, THE EFFECT MAY BE SO POWERFUL THAT A PERSON MAY BECOME TEMPORARILY BLINDED AND PANIC-STRICKEN AND THAT IN TURN MAY LEAD TO ACCIDENTS.



OBSERVE THE FOLLOWING PRECAUTIONS

PRIOR TO FUMIGATION

1. Before using fumigant, read and follow all directions on the label and in the product literature.
2. Comply with all local regulations and ordinances. Obtain an application permit from Agricultural Regulatory Agencies if required.
3. It is advisable to supply your physician with information on this fumigant.
4. Obtain medical assistance at once in case of illness after exposure, and do not allow conditions which could accidentally cause further exposure until recovery is complete.
5. Never fumigate alone. It is imperative to always have an assistant and proper protection equipment, as listed below, to aid in case of accidents.
6. Drivers of application equipment must advise other workers of all precautions and procedures.
7. Handle this fumigant in the open, when possible, with the operator "upwind" from the container where there is good ventilation.
8. Check the fumigant pressure system, when used, for leaks before beginning application.

RESPIRATORY EXPOSURE:

9. RESPIRATORY PROTECTION: DO NOT BREATHE FUMES. If the concentration of chloropicrin in the working area, as measured by direct reading devices (such as a Matheson-Kitagawa gas detector tube), does not exceed 0.1 ppm (0.67 mg/cu.m) no respiratory protection is required. If this concentration is exceeded at any time, all persons in the fumigation area must wear a NIOSH-/MSHA approved air purifying respirator approved for organic vapors, self-contained breathing apparatus (SCBA), or a combination air-supplied/SCBA respirator. Under normal application conditions no respiratory protection will be required.

EYE EXPOSURE:

10. If full-faced respiratory protection is not required, wear safety glasses, goggles, or full-face shield for eye protection when handling the liquid. Exposure of eyes to splashing liquid fumigant may render an individual helpless.
11. In case of eye exposure, flush eyes with clean water.

SKIN EXPOSURE:

- WEAR FULL-BODY CLOTHING THAT IS CLEANED AFTER EACH WEARING OR DISPOSABLE PROTECTIVE CLOTHING. WHEN HANDLING LIQUID, USE GLOVES AND AN APRON THAT ARE RESISTANT TO CHLOROPICRIN AND 1,3-DICHLOROPROPENE.
12. Do not spill. If liquid fumigant splashes or spills on shoes or clothing, remove them at once as fumes from the contaminated area will be an intolerable source of irritation. If the liquid contacts skin where rings or bandages are worn, remove them and wash the exposed skin with soap and water. Air expose shoes or clothing outside and do not wear until free of all traces of fumigant.
 13. Always have adequate clean water available to wash the skin. Wash thoroughly with soap and water after handling and before eating and smoking.

SEE PRECAUTIONS CONTINUED IN THIRD COLUMN

PRECAUTIONS TO FOLLOW DURING FIELD FUMIGATION

14. This fumigant should not be applied when there is an atmospheric inversion, since uncomfortable concentrations of chloropicrin may drift to nearby areas.
15. Do not lift injection shanks to turn at end of a pass until the fumigant has drained from the system following closure of the shutoff valve.
16. In case of the rupture of a hose or fitting while applying the fumigant, immediately stop the tractor and motor. Get off the tractor and get to a place where the problem can be observed without exposure to the fumes. Approach from up wind, with respiratory protection if required, and make necessary repairs.
17. When changing cylinders, be certain they are turned off and the fumigant system is not under pressure.

PRECAUTIONS TO FOLLOW AFTER FIELD FUMIGATION

18. If required, post all treated areas with warning signs. The signs are available from your Dealer or representative.
19. Keep all animals, children, and unauthorized people away from area under fumigation during 48 hour exposure period and during removal of tarpaulin.

NOTE CAREFULLY:

Fumigation may temporarily raise the level of ammonia nitrogen and soluble salts in the soil. This is most likely to occur when heavy rates of fertilizer and fumigant are applied to soils that are either cold, wet, acid, or high in organic matter. To avoid injury to plant roots, fertilize as indicated by soil tests made following fumigation. To avoid ammonia injury and/or nitrate starvation to crops, avoid using fertilizers containing nitrates until after the crop is well established and soil temperature is about 65° F. Liming highly acid soils before fumigation stimulates nitrification and reduces the possibility of ammonia toxicity.

ENVIRONMENTAL HAZARD

This fumigant is toxic to fish and wildlife. It should not be discharged where it will drain into lakes, streams, ponds, or public water. Do not contaminate water by cleaning of equipment or disposal of wastes. In case of spills, properly dispose of contaminated materials. For guidance, contact your State Water Board or nearest Regional Office of the EPA.

CHEMICAL HAZARD

Do not use containers or application equipment made of magnesium, aluminum, or their alloys, as under certain conditions this fumigant may be severely corrosive to such metals. Do not permit water to be used to clean fumigant pressure system as corrosion will result. Diesel oil is satisfactory for this purpose.

DIRECTIONS FOR USE

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

STORAGE AND DISPOSAL

STORAGE AND HANDLING:

Store in dry, cool, well-ventilated area under lock and key. Post as a pesticide storage area. Do not contaminate water, food, or feed by storage. Persons moving or handling containers should wear protective clothing. Open container only in a well-ventilated area wearing protective clothing, and respiratory protection if necessary.

RETURN OF CYLINDERS:

Cylinders are the property of:

Soil Chemicals Corporation
8770 Highway 25
Hollister, CA 95023

Soil Chemicals Corporation
2060 East 20th St.
Long Beach, CA 90810

1. When a cylinder is empty, the valve should be closed, the safety cap screwed onto the valve outlet, and the protection bonnet replaced prior to its return to the shipper.
2. Do not ship cylinders without safety caps or valve protection bonnets.
3. When a cylinder is partially full and there is no further requirement for the product, contact Soil Chemicals Corporation for return instructions.
4. Containers should never be refilled by the consumer or used for any other product or purpose.

SHIPPING:

This fumigant is classified in the U.S. Department of Transportation Hazardous Materials Regulations as Chloropicrin mixture, class 2B: poison and no exemptions from specifications, packaging, marking, and labeling are allowed. Describe empty cylinders as having last contained Chloropicrin mixture. Do not ship with food, feeds, or clothing.

HANDLING:

1. The valve protection bonnet and safety cap should be removed only when fumigant is about to be removed from the cylinder. The safety cap and valve protection bonnet must be replaced when the cylinder is not in use.
2. Cylinders should never be subjected to rough handling or to abnormal mechanical shock such as cropping, bumping, dragging, or sliding.
3. Ropes, slings, hooks, tongs, and similar handling devices should not be used for unloading cylinders.
4. A suitable hand truck, fork truck, or similar device to which the cylinders can be firmly secured should be used for transporting the heavier cylinders.

SPILL OR LEAK PROCEDURE:

Evacuate immediate area of spill or leak. Use SCBA combination air-supplied SCBA respirator, or approved cannister respirator for entry into affected area to correct problem. Move leaking or damaged containers outdoors or to an isolated location, observing strict safety precautions. Work upwind if possible. Allow spilled material to evaporate, or to absorb onto vermiculite, dry sand, earth, or similar absorbent material which may be disposed of on site, or at an approved disposal facility. Do not permit entry into spill area or cleanup by unprotected persons until concentration of chloropicrin is determined to be less than 0.1 ppm.

DISPOSAL:

Do not contaminate water, food, or feed by storage or disposal. Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

GENERAL INSTRUCTIONS

THIS FUMIGANT IS A HIGHLY HAZARDOUS MATERIAL AND SHOULD BE USED ONLY BY INDIVIDUALS TRAINED IN ITS PROPER USE. BEFORE USING, READ AND FOLLOW ALL LABEL PRECAUTIONS AND DIRECTIONS, INCLUDING THE ATTACHED SUPPLEMENT. ALL PERSONS WORKING WITH THIS FUMIGANT MUST BE KNOWLEDGEABLE ABOUT THE HAZARDS, AND TRAINED IN THE USE OF REQUIRED RESPIRATOR EQUIPMENT AND DETECTOR DEVICES, EMERGENCY PROCEDURES, AND PROPER USE OF THE FUMIGANT.

NOTE TO USERS

1. **CANCER HAZARD WARNING STATEMENT:** The use of this product may be hazardous to your health. This product contains 1,3-dichloropropene which has been determined to cause tumors in laboratory animals. Risks can be reduced by closely following the use directions and precautions, and by wearing protective clothing specified elsewhere on this label.
2. Required clothing and equipment during the handling and application of 1,3-dichloropropene:
 - a. One-piece coveralls which have long sleeves and long pants constructed of laminated fabric as specified in the USDA/FDA Guide for Commercial Applicators.
 - b. Liquid-proof hat such as a plastic hard hat with a plastic sweat band.
 - c. Heavy-duty liquid proof (neoprene/synthetic) work gloves and boots.
3. Any article worn while handling 1,3-dichloropropene must be washed before reusing. Immediately remove all clothing which has been drenched or has otherwise absorbed 1,3-dichloropropene from any spill. Dispose of contaminated clothing in a sanitary landfill by incineration, or if allowed by state and local authorities by burning. If burned, stay out of smoke.

GENERAL INFORMATION

PIC-CLOR 35 is a preplant soil fumigant for control of soil-borne pests such as wireworms and nematodes, and diseases caused by certain species of *Rhizoctonia*, *Pythium*, *Fusarium*, *Phytophthora*, and *Verticillium*. PIC-CLOR 35 is to be used in soil to be planted to the crops listed below. Prior to application, the soil should be in condition for planting and with sufficient moisture to support seed germination.

APPLICATION

Apply PIC-CLOR 35 by means of chisels spaced 12" apart and at a depth of 8" below the soil surface. To seal in fumigant after application, drag or cultipack immediately behind chisels, or wet down treated area to a depth of 1", or cover area with a plastic tarpaulin. If a plastic tarpaulin is used, it may be removed after 24 hours. Do not apply PIC-CLOR 35 to areas adjacent to fields where valuable crops are growing or near building inhabited by humans or livestock. Apply only where soil temperature at a depth of 6" is 50°F or higher. Apply whenever soil conditions are suitable but preferably in late summer, or fall, or in spring up to 2 weeks before planting.

RECOMMENDED DOSAGES: Broadcast Application

Land To Be Planted To:	Lbs. Per Acre	Gal. Per Acre
Brussel Sprouts	400 - 600	33 - 50
Cucumbers	500 - 550	42 - 46
Eggplant	500 - 650*	42 - 54
Floral Crops	500 - 650*	42 - 54
Melons	500 - 650*	42 - 54
Nursery Crops	500 - 650*	42 - 54
Onions	500 - 550	42 - 46
Plant & Seed Beds	500 - 550	42 - 46
Radishes	500 - 550	42 - 46
Strauberrries	500 - 650*	42 - 54
Sweet Potatoes	275 - 375	23 - 31
Tomatoes	500 - 650*	42 - 54

* If treated area is covered with a plastic tarpaulin immediately after application, dosage may be reduced by 33%.

NOTE:

1. Use highest rate on heavy soils such as clay or muck and lowest rate on light sandy soils.
2. Use highest rate for cyst-forming nematodes and Verticillium wilt control.
3. Row or bed applications may be made at the broadcast rates, but the amount used will be proportionately less per acre depending on the row spacing and width of treatment in the row or bed.

FIELD REENTRY

Workers entering the treated area for 72 hours after the application of 1,3-dichloropropene must wear protective clothing.

EXPOSURE AND AERATION

After application, leave the soil undisturbed for 14 to 21 days. Wet soil retards diffusion of the fumigant, thus requiring a longer exposure period. At the end of the exposure period, aerate the soil by plowing or deep cultivation. If heavy rains accompanied by low temperature occurs during the exposure period, working soil several times is essential for thorough aeration. Aeration is usually complete when the odor of the fumigant is no longer evident. This usually occurs by 14 days after application.

WARRANTY

NOTICE: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE, express or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.



ON 1583
CHLOROPICRIN
MIXTURE