

66330-37

10/21/2002

Chloropicrin Technical 66330-37  
CN 071002

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# CHLOROPICRIN

## FOR MANUFACTURING PESTICIDE FORMULATIONS

Only for manufacturing pesticide formulations used for preplant soil fumigations of terrestrial and greenhouse food crops, ornamentals and nursery beds.

Active Ingredient

Chloropicrin ..... 99.5%

Inert Ingredients ..... 0.5% Max

100.0%

**ACCEPTED**  
**OCT 21 2002**  
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 66330-37

KEEP OUT OF REACH OF CHILDREN



DANGER

PELIGRO

POISON

PELIGRO: 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.)

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

### FIRST AID

IF INHALED	<ul style="list-style-type: none"> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth (if possible).</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> <li>Take off contaminated clothing, shoes, and other items covering the skin.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>
IF IN EYES	<ul style="list-style-type: none"> <li>Hold eyelids open and rinse slowly and gently with water for 15 – 20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>
IF SWALLOWED	<ul style="list-style-type: none"> <li>Call a poison control center or doctor immediately for treatment advice.</li> <li>Have the person sip a glass of water if able to swallow.</li> <li>Do not induce vomiting unless told to do so by a doctor or poison control center.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul>

### HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-228-5635 Extension 174 for emergency medical treatment information.

### 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. Probable mucosal damage may contraindicate the use of gastric lavage. Treatment is symptomatic.

See side panel for additional precautionary statements.

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MFG. By: Arvesta Corporation  
100 First St., Suite 1700  
San Francisco, CA 94105

Establishment Number:  
EPA Registration Number 66330-37  
Net Contents - \_\_\_\_\_

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS:**

**DANGER**

THIS PRODUCT IS A HIGHLY HAZARDOUS MATERIAL AND MUST BE HANDLED WITH CARE ONLY BY THOSE INDIVIDUALS EXPERIENCED WITH ITS PROPER USE. POISONOUS LIQUID AND VAPOR. INHALATION OF VAPOR MAY BE FATAL. CHLOROPICIRIN 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 CONCENTRATION, MAY CAUSE PAINFUL IRRITATION 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.

**AIR CONCENTRATION LEVEL**

The acceptable air concentration level for persons exposed to chloropicrin is 0.1 ppm (0.7 mg/m<sup>3</sup>). If the air concentration level exceeds 0.1 ppm, an air-purifying respirator must be worn. If the air concentration level exceeds 4 ppm, an air-supplying respirator must be worn. The air concentration level is measured by a direct reading detection device, such as a Matheson-Kitagawa.

**ENVIRONMENTAL HAZARD**

This product is toxic to fish and aquatic organisms. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollution Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

**CHEMICAL HAZARD**

Do not use containers made of magnesium, aluminum, or other alloys, as under certain conditions this product may be severely corrosive to such metals. Do not permit water to be used to clean the container, as corrosion will result.

**DIRECTIONS FOR USE**

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING. FOR MANUFACTURING OF PESTICIDE FORMULATIONS ONLY.

Only for manufacturing pesticide formulations used for preplant soil fumigations of terrestrial and greenhouse food crops, ornamentals and nursery beds.

### STORAGE AND DISPOSAL

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

**STORAGE:** Store in a dry, well-ventilated area under lock and key. Post as a pesticide storage area. Persons moving, handling or opening containers must wear appropriate personal protective equipment (including prescribed respirator). Open container only in a well-ventilated area.

**SPILL AND LEAK PROCEDURES:** Evacuate everyone from the immediate areas of the spill or leak. Entering into the affected area requires that workers wear appropriate protective equipment (including an air-supplying respirator). Move leaking or damaged containers outdoors or to an isolated location. Observe strict safety precautions. Work upwind, if possible. Allow spilled product to evaporate or to absorb onto vermiculite, dry sand, earth, or similar absorbent material. Such material should be disposed of on site or at an approved disposal facility. Only correctly trained and PPE-equipment handlers are permitted to perform such cleanup. Do not permit entry into the spill or leak area by any other person until the concentration of chloropicrin is measured to be less than 0.1ppm.

**FOR CHEMICAL EMERGENCY:** Spill, leak, fire, exposure or accident call CHEMTREC 1-800-424-9300.

**CYLINDER AND DRUM RETURN:** Return cylinders and drums to the place of purchase as designated on the Bill of Sale. These containers should be returned by collect ground freight. For cylinders; (1) when empty, the valve should be closed, the safety cap screwed on the valve outlet, and the protection bonnet replaced prior to its return to the shipper. (2) Do not ship without the safety caps or valve protection bonnets.

**SHIPPING:** This fumigant is classified in the U.S. Department of Transportation Hazardous Materials Regulations as Chloropicrin, 6.1 Un 1580 PG I, Poison Inhalation Hazard, Zone B and no exemptions from specifications, packing, marking or labeling are allowed. Describe the empty container as having last contained Chloropicrin(Inhalation Hazard). Do not ship with food, feed or clothing.

**CONTAINER HANDLING:** (1) The valve protection bonnet and/or safety cap should be removed only when fumigant is about to be removed. The safety cap and/or valve protection bonnet must be replace when not in use. (2) containers should never be subjected to rough handling or to abnormal mechanical shock such as dropping, bumping, dragging or sliding. (3) Ropes, slings, hooks, tongs, and similar handling devices should not be used for unloading. (4) A suitable hand truck, fork truck or similar device to which the container can be firmly secured should be used for transporting the heavier containers.

**DISPOSAL:** Do not contaminate water, food, or feed by storage or disposal. Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsates 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.

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### CONDITIONS OF SALE

1. Arvesta Corporation warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in accordance with the directions under normal conditions of use.

2. This warranty does not extend to the use of this product contrary to label instruction, or under abnormal use conditions, or under conditions not reasonably foreseeable to Arvesta.

ARVESTA DISCLAIMS ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF FITNESS OR MERCHANTABILITY. SELLER SHALL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT AND SELLER'S SOLE LIABILITY AND BUYER'S AND USER'S EXCLUSIVE REMEDY SHALL BE LIMITED TO THE REFUND OF THE PURCHASE PRICE.

ARVESTA DOES NOT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE ANY OTHER WARRANTY, GUARANTEE OR REPRESENTATION CONCERNING THIS PRODUCT.

3. Critical and unforeseeable factors beyond Arvesta's control prevent it from eliminating all risks in connection with the use of this product. Such risks include, but are not limited to, damage to plants and crops to which the product is applied, lack of complete control, and damage caused by drift to other plants or crops. Such risks occur even though the product is reasonably fit for the uses stated on the label and even though label directions are followed. Except as stated in 1 above, Buyer and User acknowledge and assume all risks and liability resulting from handling, storage, and use of this product.