

7747-1

12/21/2011

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**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON D C 20460**

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

Mr Stepen N Wilhelm  
Niklor Chemical Co Inc  
1667 Purdy Road  
Mojave CA 93501

**DEC 21 2011**

Subject Chloropicrin Technical Grade  
EPA Registration Number 7747 1  
Phase 2 Red Mitigation Amendment dated June 8 2011  
Decision Number 458975

Dear Mr Wilhelm

The amended labeling referred to above submitted in connection with reregistration of chloropicrin under the Federal Insecticide Fungicide and Rodenticide Act as amended is acceptable provided the following label revisions are made and the following conditions are met

**LABEL REVISIONS**

- 1 On page 2 replace the word handlers with the word workers in all places where it appears
- 2 On page 5 under Spill and Leak Procedures make the following revisions
  - a Revise the sentence Such material must be disposed of on site or at an approved disposal facility to read Dispose of material at an approved waste disposal facility
  - b Revise the sentence Only correctly trained and PPE equipped handlers to read Only correctly trained and PPE equipped workers are permitted to perform such cleanup
- 3 On page 5 under Warranty Disclaimer add the phrase To the extent consistent with applicable law to the beginning of the last sentences

**CONDITIONS**

- 1 EPA has determined that the risk mitigation measures on the revised label for this product are necessary to adequately protect human health and the environment Therefore pursuant to 40 CFR § 152.130(d) EPA has decided that no product bearing previously approved labeling may be sold or distributed (released for shipment) by its registrant after December 1 2012 Wherever state approval is required for sale or distribution of this

product with this new labeling EPA strongly encourages you to submit an application to the state authority as soon as possible You should be aware that the Agency does not intend to modify the December 1 2012 deadline because of any failure to obtain state approvals

- 2 Submit one copy of the final printed label that incorporates the required changes before the product is released for shipment

One copy of the label stamped Accepted with comments is enclosed for your records If you have any questions you may contact me via email [waller.mary@epa.gov](mailto:waller.mary@epa.gov) or by phone at (703) 308 9354

Sincerely



Mary L Waller  
Product Manager (21)  
Fungicides Branch  
Registration Division (7504P)

Enclosure

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# CHLOROPICRIN TECHNICAL GRADE

For Formulating End-Use Products

Active Ingredient:  
Chloropicrin.....99.3%  
Other Ingredients:.....0.7%  
Total:.....100.0%

This product weighs 13.8 lbs. Per Gallon

ACCEPTED  
with COMMENTS  
In EPA Letter Dated  
12/21/2011

**KEEP OUT OF REACH OF CHILDREN**

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under EPA Reg. No. 7747-1

**DANGER**



**POISON**



[Note : "Poison" will be  
printed in red]

**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).**

### FIRST AID

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

**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. Call a poison control center or doctor for further treatment advice.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing, shoes, and other items covering the skin. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

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

**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 do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**NOTE TO THE 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.

NET WEIGHT: \_\_\_\_\_ LBS.  
LOT NO.: \_\_\_\_\_

EPA REG. NO. 7747-1  
EPA EST. NO. 11220-CA-8

**NIKOR CHEMICAL CO., INC.**  
**1667 PURDY ROAD, MOJAVE, CALIFORNIA 93501**

[SEE SIDE PANELS FOR ADDITIONAL PRECAUTIONARY STATEMENTS.]

Note to reviewer: Text in [brackets] indicates optional text or note to reviewer.

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**D A N G E R**

Poisonous liquid and vapor Inhalation of vapors may be fatal Chloropicrin is readily identifiable by smell Exposure to very low concentrations of vapor will cause irritation of eyes nose and throat Continued exposure after irritation or higher concentrations may cause painful irritation to the 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

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Some materials that are chemical resistant to this product are PPE constructed of Saranex neoprene and chlorinated polyethylene provide short-term contact or splash protection against liquid in this product Longer term protection is provided by PPE constructed of Viton Teflon and EVAL barrier laminates (for example responder suits manufactured by Life-Guard or Silvershield gloves manufactured by North) Where chemical resistant materials are required leather canvas or cotton materials must not be worn as the sole article of protection when contact with this product is possible For more options follow the instructions for Category H on the chemical-resistance category selection chart

**When performing tasks with no potential for contact with liquid, all handlers must wear**

- Long sleeved shirt and long pants and
- Shoes and socks

**When performing tasks with potential contact with liquid fumigant, all handlers must wear**

- Long sleeved shirt and long pants
- Chemical resistant gloves
- Chemical resistant apron,
- Protective eyewear (Do NOT wear goggles) and
- Chemical resistant footwear and socks

In addition, when an air purifying respirator is required, handlers must wear

- NIOSH certified full facepiece air purifying respirator with cartridges certified by the manufacturer for protection from exposure to chloropicrin at concentrations up to 5 ppm (e.g. a 3M air purifying respirator equipped with 3M Model 60928 Organic Vapor/Acid Gas/P100 cartridges)

**IMPORTANT** Wear an SCBA and PPE for liquid contact potential in emergencies such as a spill or leak or when corrective action is needed to reduce air levels to acceptable levels

Cartridges or canisters must be replaced when odor or irritation from this product becomes apparent during use if the measured concentration of chloropicrin is greater than or equal to 1.5 ppm or after 8 hours of use whichever occurs first

**USER SAFETY REQUIREMENTS**

Follow manufacturer s instructions for cleaning/maintaining PPE If no such instructions for washables exist, use detergent and hot water Keep and wash PPE separately from other laundry

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product Do not reuse them

**USER SAFETY RECOMMENDATIONS**

Users should

- \* Wash hands before eating drinking chewing gum using tobacco or using the toilet
- \* Remove clothing immediately if pesticide gets inside then wash thoroughly and put on clean clothing
- \* Remove PPE immediately after handling this product As soon as possible wash thoroughly and change into clean clothing

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to mammals birds fish and aquatic invertebrates 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 Pollutant 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

**PHYSICAL OR CHEMICAL HAZARDS**

PRODUCT may be corrosive under certain conditions DO NOT USE WATER to clean equipment Flush equipment with kerosene or fuel oil Do not use handling equipment or containers made from magnesium, aluminum, or alkali metals Chloropicrin is a nonflammable liquid

**DIRECTIONS FOR USE**

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

Only for formulation into a fumigant for the following uses pre plant soil fumigant in agricultural fields and commercial greenhouses tree replant and remedial wood treatment

Chloropicrin cannot be formulated into end use products labeled for pre-plant or pre transplant uses unless the end use registrant makes available to certified applicators who purchase or apply the end use product a registrant developed training program approved by EPA The training program must provide information on (1) how to correctly apply the fumigant including how to comply with new label requirements (2) how to protect handlers and bystanders (3) how to determine buffer zone distances (4) how to complete an FMP and the post application summary (5) how to determine when weather and other site specific factors are not favorable for fumigant application (6) how to comply with required GAPs and how to document compliance with GAPs in the FMP and (7) how to develop and implement emergency response plans The registrant developed training program must be made available at least annually to the certified applicators The end use registrant must be able to provide upon request the names addresses and certified applicator license and/or certificate number of persons who successfully complete the registrant developed training program

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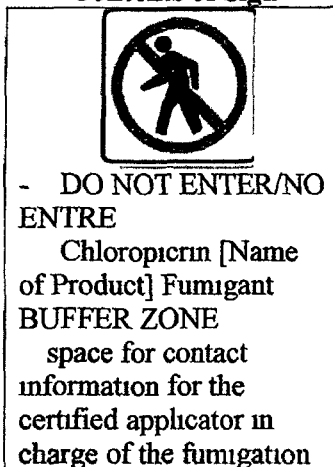
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Chloropicrin cannot be formulated into end use products labeled for pre plant or pre-transplant uses unless the end use registrant ensures Buffer Zone signs suitable for posting buffer zones or templates for the buffer zones signs are available to its downstream distributors/customers who in turn will provide the signs at the point of sale Templates may be downloaded from [http://www.epa.gov/pesticides/reregistration/soil\\_fumigants/index.htm](http://www.epa.gov/pesticides/reregistration/soil_fumigants/index.htm)

The Buffer Zone sign must meet the following standards

- Signs must remain legible during the entire posting period and must meet the general standards outlined in the WPS for sign size text size and legibility (see 40 CFR §170.120)

**Contents of Sign**



This product may be used to formulate products for any additional use(s) not listed on the MUP label if the formulator user group or grower has complied with U S EPA submission requirements regarding support of such use(s)

**STORAGE AND DISPOSAL**

Do not contaminate water food or feed by storage or disposal

**PESTICIDE 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 the personal protective equipment specified in the Hazards to Humans section of this labeling Open container only in a well ventilated area

**PESTICIDE 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

*[Pesticide Container Handling/Container Disposal statements do not apply to bulk containers]*

*[Instructions for refillable cylinders]*

**PESTICIDE CONTAINER HANDLING/CONTAINER DISPOSAL**

**Refillable Container** Refill this container with pesticide only Do not reuse this container for any other purpose Cleaning the container before final disposal is the responsibility of the person disposing of the container Cleaning before refilling is the responsibility of the refiller

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**RETURN CYLINDERS TO** Return cylinders to the place of purchase as designated on the Bill of Sale Cylinders are the property of Niklor Chemical Co Inc and must be returned promptly by collect auto freight (1) When a cylinder is empty the valve must be closed, the safety cap screwed on the valve outlet, and the valve 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 Niklor Chemical Co Inc the distributor or dealer representative for return instructions (4) Containers must never be refilled by the consumer or used for any other product or purpose

**SHIPPING** This fumigant is classified in the US Department of Transportation Hazardous Materials Regulations as UN 1580 Chloropicrin 6.1 PG1 Poison Inhalation Hazard Zone B and must be shipped in accordance with DOT requirements Describe empty cylinders as having last contained Chloropicrin (Inhalation Hazard) Do not ship with foods feeds or clothing

**HANDLING** (1) Do not remove the valve protection bonnet and safety cap until the 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) Do not subject cylinders to rough handling or to abnormal mechanical shock such as dropping bumping dragging or sliding (3) Do not use ropes slings hooks tongs and similar handling devices for unloading cylinders (4) A suitable hand truck, fork truck, or similar device to which the cylinders can be firmly secured must be used for transporting the heavier cylinders

**Spill and Leak Procedures** Evacuate everyone from the immediate area of the spill or leak For entry into affected area to correct problem, wear the personal protective equipment specified in the *Hazards to Humans and Domestic Animals* section of this labeling Move leaking or damaged containers outdoors or to an isolated location Observe strict safety precautions Work upwind if possible Allow spilled fumigant to evaporate or to absorb onto vermiculite dry sand earth, or similar absorbent material Such material must be disposed of on site or at an approved disposal facility Only correctly trained and PPE-equipped 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 0.15 ppm

**WARRANTY DISCLAIMER**

Seller warrants that this product complies with the specifications expressed in this label SELLER MAKES NO OTHER WARRANTIES AND DISCLAIMS ALL OTHER WARRANTIES EXPRESS OR IMPLIED INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY AND FITNESS FOR THE INTENDED PURPOSE Seller s liability for default, breach or failure under this label shall be limited to the amount of the purchase price Seller shall have no liability for consequential damages

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