

55272-19

7/9/2010

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**U.S. ENVIRONMENTAL PROTECTION AGENCY**

Office of Pesticide Programs  
Registration Division (7504P)  
1200 Pennsylvania Ave., N.W.  
Washington, D.C. 20460

EPA Reg. Number:

55272-19

Date of Issuance:

JUL 9 2010

**NOTICE OF PESTICIDE:**

Registration  
 Reregistration  
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Copper Hydroxide Technical  
90%

Name and Address of Registrant (include ZIP Code):

**Ingenieria Industrial S.A. de C.V.**  
**c/o Landis International; Agent for Ingenieria Industrial S.A. de C.V.**  
**P.O. Box 5126; Valdosta, GA 31603-5126**

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 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 EPA. 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 under FIFRA section 3(c)(7)(A) provided you:

1. Submit and/or cite all data required for registration of your product under FIFRA section 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 copies of the final printed label before the product is released for shipment.

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 copy of the label stamped "Accepted with Comments" is enclosed for your records.

Signature of Approving Official:

Date:

Tony Kish, Product Manager (22)  
Fungicide Branch, Registration Division (7504P)

# Copper Hydroxide Technical 90%

For Formulating Use

**Active Ingredient:**

Copper Hydroxide†*	90.00%
Other Ingredients	10.00%
Total:	100.00%

\*Metallic copper equivalent .....58%

†CAS No. 20427-59-2

- For the formulation of agricultural fungicide and bactericide products, aquatic algacide and herbicide products, root control products/containers and in wood preservative formulations.
- For non-pesticidal uses of copper hydroxide included but not limited to:
  - Non-pesticidal manufacturing and industrial uses
  - Use as a fertilizer to correct copper deficiencies
  - When this product is used as a fertilizer ingredient:

Guaranteed Analysis: Copper (Cu) \* = 58% (\*Derived from copper hydroxide)

**KEEP OUT OF REACH OF CHILDREN**  
**DANGER - 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.)

*See back panel for additional precautionary statements*

FIRST AID	
If On Skin Or Clothing	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</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 eye 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 eye.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
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 poison control center or doctor for treatment advice.</li> </ul>
If Swallowed	<ul style="list-style-type: none"> <li>• Call poison control center or doctor for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>

**EMERGENCY TELEPHONE NUMBERS**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including health concerns, medical emergencies, or pesticide incidents), call the National Pesticide Information Center (NPIC) at 1-800-858-7378 (NPIC Web site: [www.npic.orst.edu](http://www.npic.orst.edu)), Monday through Friday, 9 a.m. to 5 p.m. After 5:00 p.m. or call your poison control center at 1-800-222-1222.

**Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.**

*See side/back panels for additional precautionary statements*

EPA Reg. No. 55272-19

Net Contents: 50 lbs/22.7 Kg

EPA Establishment No. 55272-MX-1

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

JUL 9 2010

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

55272-19

Ingenieria Industrial S.A. de C.V.  
 Av. Coyoacan 1878-403  
 Col. Del Valle

3045

03310 Mexico, D.F.

**PRECAUTIONARY STATEMENTS  
HAZARD TO HUMANS AND DOMESTIC ANIMALS  
DANGER**

Corrosive. Causes skin burns. Causes irreversible eye damage. May be fatal if inhaled. May be fatal if swallowed. Harmful if absorbed through skin. Do not get in eyes, skin, or on clothing. Do not breathe dust. Wear coveralls worn over long-sleeved shirt and long pants, socks, chemical-resistant footwear, and gloves. Wear protective eyewear. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse. Wear protective eyewear (goggles, face shield, or safety glasses).

Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

Some materials that are chemical-resistant to this product are: polyethylene, polyvinyl chloride, barrier-laminate, and butyl, nitrile, neoprene, and natural rubber. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

**USER SAFETY RECOMMENDATIONS**

User must: 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. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to 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.

**DIRECTIONS FOR USE**

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

**FOR FORMULATING USE**

This product is only for formulation into agricultural fungicide and bactericide products, aquatic algaecide/ herbicide products, root control products/containers and in wood preservative formulations. This product may be used to formulate products for specific uses not listed on the MP label if the formulator, user group or grower has complied with U.S. EPA submission requirements regarding support of such uses.

**For use on the following crop groupings:**

**Citrus:** Grapefruit, Kumquat, Lemon, Lime, Orange, Pummelo, Tangelo and Tangerine.

**Conifers:** Douglas Fir, Fir, Juniper, Leyland Cypress, Pine and Spruce.

**Field Crops:** Alfalfa, Barley, Corn, Oats, Peanut, Potato, Sugar Beet and Wheat.

**Small Fruits:** Blackberry, Blueberry, Cranberry, Currant, Gooseberry, Raspberry and Strawberry.

**Tree Crops:** Almond, Apple, Apricot, Avocado, Banana, Cacao, Cherry, Coffee, Filbert Mango, Nectarine, Olive, Peach, Pear, Pecan, Pistachio, Plum, Prune, Quince and Walnut.

**Vegetables:** Bean, Beet, Beet Greens, Broccoli, Brussels Sprout, Cabbage, Cantelope, Carrot, Cauliflower, Celeriac, Celery, Cucumber, Egg Plant, Endive, Escarole, Greens (Collard, Mustard and Turnip), Honeydew, Lettuce, Musk Melon, Okra, Onion/Garlic, Pea, Pepper, Pumpkin, Spinach, Squash, Tomato, Watercress, and Watermelon.

**Vines:** Grape, Hops, and Kiwi.

**Miscellaneous:** Atemoya, Carambola, Chives, Dill, Ginseng, Guava, Litchi, Live Oak, Macadamia, Mamey Sapote, Papaya, Parsley, Passion Fruit, Pecan, Sugar Apple, and Sycamore.

**Greenhouse and Shadehouse Crops:** Formulated products may be used in greenhouses and shadehouses to control disease on any of the above crops were physiology allows greenhouse or shadehouse culture.

**Turfgrass:** Algae control

**Ornamentals:** Species as listed on formulated product labels.

**Also for non-pesticidal uses of copper hydroxide including, but not limited to:**

- Non-pesticidal manufacturing and industrial uses
  - Use as a fertilizer to correct copper deficiencies
  - When this product is used as a fertilizer ingredient:
- Guaranteed Analysis: Copper (Cu) \* = 58%  
 (\*Derived from copper hydroxide)

Formulators using this product are responsible for obtaining EPA registration for their formulated products.

**STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** Store product in a secure dry place. Keep product dry as product is water soluble. When opening, closing or handling open packages, or pouring product, wear goggles to prevent dusting into eyes. Spilled product should be swept up, used if clean, or disposed of according to the procedures below. Store product in original container. Store pesticide separately to prevent cross-contamination of other pesticides, fertilizers, food and feed.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label directions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA regional Office for guidance.

**CONTAINER HANDLING: (Paper Bag)**

If empty: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into formulation equipment. Then offer for recycling if available or dispose of empty bag in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.  
If partly filled: Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

**CONDITIONS OF SALE AND LIMITED WARRANTY**

The Directions For Use of this product reflects the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result

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because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of INGENIERIA INDUSTRIAL S.A. DE C.V. (INGENIERIA INDUSTRIAL) or the SELLER. To the extent permitted by law, all such risks shall be assumed by the Buyer.

INGENIERIA INDUSTRIAL warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions For Use, subject to the inherent risks, referred to above.

INGENIERIA INDUSTRIAL MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. TO THE EXTENT PERMITTED BY LAW, INGENIERIA INDUSTRIAL AND THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. INGENIERIA INDUSTRIAL and the SELLER offer this product, and the Buyer and User accept it, subject to the foregoing Conditions of Sale and Warranty which may be varied only by agreement in writing signed by a duly authorized representative of INGENIERIA INDUSTRIAL.