



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

March 22, 2018

Luz Chan
Registration Manager
Drexel Chemical Company
1700 Channel Avenue; PO Box 13327
Memphis, TN 38113-0327

Subject: Label Amendment – Adds formulation uses for food crops listed in Copper RED
Product Name: Drexel Copper Sulfate Technical
EPA Registration Number: 19713-406
Application Date: September 11, 2017
Decision Number: 533128

Dear Ms. Chan:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6.

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If you have any questions, please contact Tony Kish by phone at 703 308-9443, or via email at kish.tony@epa.gov; or Craig Reeves by phone at 703 347-0486, or via email at reeves.craig@epa.gov.

Sincerely,

A handwritten signature in black ink that reads "Tony Kish". The signature is written in a cursive style with a large, sweeping initial "T".

Tony Kish, Product Manager 22
Fungicide Branch
Registration Division (7505P)
Office of Pesticide Programs

Enclosure: Stamped Label

ACCEPTED
 Mar 22, 2018
 Under the Federal Insecticide, Fungicide
 and Rodenticide Act as amended, for the
 pesticide registered under
 EPA Reg. No. 19713-406



Copper Sulfate Technical

For Manufacturing Purposes Only

ACTIVE INGREDIENT:	
Copper sulfate pentahydrate*.....	98.0%
OTHER INGREDIENTS:	2.0%
TOTAL:	100.0%

* [CAS No. 7758-99-8]
 Metallic copper equivalent is 24.9%.

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 FIRST AID Below

EPA Reg. No. 19713-406
EPA Est. No. XXXXX-XXX-X

Net Content: _____ Lbs. (_____ Kg)

FIRST AID	
IF IN EYES:	
<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice. 	
IF SWALLOWED:	
<ul style="list-style-type: none"> • 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 or convulsing person. 	
IF ON SKIN OR CLOTHING:	
<ul style="list-style-type: none"> • 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:	
<ul style="list-style-type: none"> • 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. For medical emergencies, call your poison control center at 800-222-1222 or CHEMTREC at 800-424-9300.	
NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.	

406SP-0917*Pending

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

DANGER: Corrosive. Causes irreversible eye damage. May be fatal if swallowed. Harmful if absorbed through skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Do not get in eyes or on clothing. Avoid contact with skin. Wear protective eyewear (goggles, face shield, safety glasses). Wear long-sleeved shirt and long pants, socks, shoes, and chemical-resistant gloves (such as or made out of any waterproof material, selection Category A).

USER SAFETY RECOMMENDATIONS

Users should: 1) Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. 2) Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. 3) 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. Only for:

- 1) Formulation into fungicide and/or bactericide for use on the following crops: Alfalfa, Almonds, Apples, Apricots, Artichoke, Asparagus, Atemoya, Avocado, Bananas, Barley, Betel nut, Blackberry, Boysenberry, Blueberry, Bulbs (Easter lily, Gladiolus, Tulip), Cacao, Caneberries, Cantaloupe, Carambola, Chard, Chestnut, Cherimoya, Cherries (sweet, sour), Chicory, Chives, Cinnamon, Citrus, Clover, Coffee, Coriander, Corn, Cranberry, Currant, Dewberry, Dill, Filbert, Ginseng, Gooseberry, Grapefruit, Grapes, Guava, Hops, Kiwi, Kumquat, Lemons, Lichi, Lime, Loganberry, Loquat, Macadamia, Mamey sapote, Mango, Millet, Muskmelon, Nectarines, Oats, Olives, Oranges, Ornamentals, Papaya, Parsley, Passion fruit, Peaches, Peanuts, Pears, Pecans, Persimmon, Pistachio, Plums, Potato, Prunes, Quince, Raspberry, Rice, Rosemary, Rye, Sorghum, Soybeans, Strawberry, Sugar beet, Sugarcane, Tangelo, Tangerine, Tobacco, Turf, Walnut, Watermelon, Wheat, Vegetables (Beans, Beets, Broccoli, Brussel sprouts, Cabbage, Carrot, Cauliflower, Celeriac, Celery, Chinese cabbage, Collard, Cucumber, Cucurbits, Eggplant, Garlic, Greens, Kale, Kohlrabi, Leek, Lettuce, Mint, Mustard green, Okra, Onions, Peas, Pepper, Pumpkin, Radish, Rhubarb, Rutabaga, Shallot, Spinach, Squash, Tomato, Turnip greens, Watercress).
- 2) Formulation of pesticide products for control of algae and bacterial odor in sewage lagoons, pits, other organic sludges, swimming pools, decorative pools and fountains.
- 3) Formulation of pesticide products for domestic, commercial, institutional and municipal uses to control root and fungus in drains, sewer, sewer pumps and force mains.
- 4) Formulation of pesticide products for control of weeds, algae and Quagga and Zebra mussels in flowing water or static or minimal flow situations, in crop and noncrop irrigation conveyance systems, ditches, canals and laterals
- 5) Formulation of pesticide products for control of weeds, algae, snails, leeches, microscopic organisms in impounded waters (to include tanks, raceways, ponds, lakes, reservoirs), and fish hatcheries.
- 6) Formulation of pesticide products to control algae and tadpole shrimps (*Triops longicaudatus*) in Rice fields (domestic and wild).
- 7) Formulation of pesticide for use on Schistosome-infected fresh water snails.
- 8) Formulation of pesticide for control of algae in aquaculture when fish is present.
- 9) Formulation of pesticide for control of algae and/or fungus on roofs and other surfaces.
- 10) Formulation of pesticide product as antifouling coating.

- 11) Formulation of pesticide product as a wood preservative to prevent fungus, decay, and/or rot.
- 12) Formulation of pesticide products as tanning and preserving agent for leather and hides.
- 13) Manufacture of roofing products that are resistant to algae and/or fungus growth.
- 14) Formulation of pesticide products to control the genera of algae listed below commonly found in waters of the United States.

Organism	Algae Species
Chlorophyceae (Green)	Ankistrodemus, Botryococcus, Chara, Chlorella, Cladophora, Closterium, Coelastrum, Crucigenia, Desmidium, Draparnaldia, Enteromorpha, Gloeocystis, Golenkinia, Hydrodictyon, Microspora, Nitella, Oocystis, Palmella, Pithophora, Scenedesmus, Spirogyra, Staurastrum, Tetraedron, Tribonema, Ulothrix, Zygnema
Cyanophyceae (Blue-green)	Anabaena, Anacystis, Aphanizomenon, Calothrix, Cylandrospermum, Gloeotrichia, Gomphosphaeria, Nostoc, Oscillatoria, Phormidium, Plectonema, Polycystis, Rivularia, Sympioca
Diatomaceae (Diatoms)	Achnanthes, Asterionella, Cymbella, Fragilaria, Gomphonema, Melosira, Navicula, Neidium, Nitzschia, Stephanodiscus, Synedra, Tabellaria
Protozoa (Flagellates)	Ceratium, Chlamydomonas, Cryptomonas, Dinobryon, Eudorina, Euglena, Glenodinium, Haematococcus, Mellomonas, Pandorina, Peridinium, Synura, Uroglena, Volvox

- 13) This product may be used to formulate products for specific use(s) not listed on this label if the formulator, user group or grower has complied with U.S. EPA data submission requirements regarding the support of such use(s).

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store product in as secure, dry place and keep product dry. Spilled product should be swept up, used if not contaminated with debris, or disposed of according to instructions below. Store product only in original container. During storage, 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 pesticides, 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 Wastes representative

at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING:

Nonrefillable Container (flexible-bag-all weights): Nonrefillable container. Do not reuse or refill this container. Completely empty bag into manufacturing equipment by shaking and tapping sides and bottom to loosen clinging particles. 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.

Nonrefillable Container (rigid-fifty lbs. or less): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or mix tank. Fill the container one-fourth full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Nonrefillable Container (rigid-greater than fifty lbs.): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or mix tank. Fill the container one-fourth full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

(continued)

(continuation)

Refillable Container: 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. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling, if available. Puncture and dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

WARRANTY—CONDITIONS OF SALE

To the extent consistent with applicable law, Manufacturer warrants that this product conforms to its chemical description and is reasonably fit for the purposes referred to in the “*DIRECTIONS FOR USE*”. Manufacturer makes no other warranties, expressed or implied, including fitness or merchantability. To the extent consistent with applicable law, in no case shall the Manufacturer or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product. The foregoing is a condition of sale and is accepted as such by the Buyer.

Manufactured For:



Drexel Chemical Company

P.O. BOX 13327, MEMPHIS, TN 38113-0327

SINCE 1972

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