

U.S. ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION/75 7671
WASHINGTON, DC 20460

NOTICE OF PESTICIDE: ☒ REGISTRATION
☐ REREGERISTRATION

Listed on the Federal Insecticide, Fungicide,
and Rodenticide Act (FIFRA)

EPA REGISTRATION NO.

2829-130

DATE OF ISSUANCE

MAR 23 1992

TERM OF ISSUANCE

Conditional

NAME OF PESTICIDE PRODUCT

Cunilate 2002

NAME AND ADDRESS OF REGISTRANT (Include P.O. Box)

Morton International, Inc.
150 Andover Street
Danvers, MA 01923

NOTE: Changes in labeling formula different 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.

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.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an endorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, in 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 in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 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. Make the labeling/technical bulletin changes listed below before you release the product for shipment:

- a. Add the phrase "EPA Registration No. 2829-130" to the label.
- b. In the Technical Bulletin, under "Recommended Use Levels", "Textiles", in the first sentence after "deterioration" indicate what the deterioration is from. See our letter of 3/12/92, section 2(g), first paragraph.
- c. In the Technical Bulletin, under "Environmental Hazards", delete the third sentence.

3. Submit one year storage stability data at warehouse conditions within fifteen (15) months after the date of issuance of this registration.

☐ ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

MAR 23 1992

4. Submit five (5) copies of your final printed labeling and technical bulletin before you release the product for shipment. Refer to the A-79 enclosure for a further description of the final printed labeling.

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 stamped copy of the label and technical bulletin is enclosed for your records.

Sincerely Yours,

Cynthia Giles-Parker
Product Manager (22)
Fungicide-Herbicide Branch
Registration Division (H7505C)

Enclosure

Morton International

Plastics Additives

Technical Bulletin

3/92

Cunilate® 2002

Fungistatic Treatment for Textiles, Wood,
Kraft Paper, Paperboard, Adhesives and Paints

PRODUCT DESCRIPTION

Cunilate 2002 is an aqueous dispersion of copper-8-quinolinolate. Low concentrations will provide long term protection against fungal attack and will help prevent surface growth, musty odors and premature product failure on textiles, wood, paper, paperboard, adhesives and paints.

Susceptible items successfully protected with Cunilate antimicrobials:

SHOE COUNTERS
FLOORING FELT
TENTS
TARPAULINS
WEBBING
ADHESIVES

SHOE LINERS
PAINTS
WALLBOARD
AWNINGS
SUPPLY BAGS
WOOD

The excellent durability of copper-8-quinolinolate is well recognized by government agencies who require that it be used as the preferred fungistat in many military specifications for the control of mildew and fungi.

APPLICATION

Cunilate antimicrobials are recommended for textiles, heavyweight fabrics, paper, paperboard, adhesives, paints and similar systems requiring an effective antimicrobial compound. This dispersion is compatible with most treatment baths and will not detract from the protected product's chemical or physical properties.

Products, properly treated with Cunilate antimicrobials, will resist microbiological deterioration after long-term exposure to heat, water and severe weathering conditions.

Morton International can provide microbiological susceptibility testing at their U. S. Quartermaster approved laboratory and assist in developing formulations to meet your specific requirements.

TYPICAL PROPERTIES

Composition:	
Copper-8-quinolinolate	10%
inert materials	90%
Solids	20%
Specific Gravity	1.07 @ 25°C
Weight per gallon	8.90 lbs
Appearance	olive drab liquid
pH	4.5
Viscosity	600 - 900 cps
Particle size	1.6 u

DIRECTIONS FOR USE

Cunilate 2002 may be diluted to treating strength by the addition of water. Initially add small amounts of water and agitate to provide a homogeneous slurry. Then add the balance of water and stir continuously. Avoid violent agitation.

RECOMMENDED USE LEVELS

Do not use on paper products or textiles that may come into contact with food or feed, unless the specific application has been reviewed to insure compliance with Title 21 of the Code of Federal Regulations.

PAPER AND PAPERBOARD: It is recommended that a minimum level of 5.50% Cunilate 2002 by weight be incorporated in the sheet for the control of mold, mildew and deterioration by fungi. This is equivalent to 0.10% Cu. Extensive tests conducted by commercial laboratories and at the Rock Arsenal of the U. S. Army Ordnance Department have shown that a high degree of durable fungistatic activity can be achieved at this level.

Kraft papers are typically treated by dip and dry. Paperboard and heavy krafts are treated by addition to the pulp with thorough mixing.

Military shoe counter specifications: .5 to .10% Cu-8.

Cunilate is a registered trademark of Morton International, Inc.

For more information, write: 150 Andover St., Danvers, MA 01923-1428. Or call: 508-774-3100.

TEXTILES: It is recommended that at least 8.30% Cunilate 2002 (.15% Cu) by weight be used on textiles for control of deterioration. Many government specifications require 0.18 to 0.27% as Cu for textiles and 0.13 to 0.40% Cu for webbing and tape.

Water repellants may be incorporated with Cunilate 2002 if desired. Compatibility tests should be conducted to insure a stable system. The treating formulation is applied at the padder after which the fabric should be dried on cans or frame.

WOOD: Cunilate 2002 is recommended for the control of wood decay of items with above-ground uses, such as decking for trucks, patios and swimming pools, ladders, boat interiors or the paneling of shower rooms. An application rate of 40 to 100 micrograms of active ingredient per cm² of wood is generally required. Because wood varies in its ability to take up treating solutions, Morton is available to provide technical assistance in meeting this target. Typically a 1:10 dilution into water is made and the wood dipped for 3 minutes or brushed on at 450 sq. ft. per gallon of 1:10 diluted solution.

ADHESIVES: It is recommended that levels of 2.8% to 5.8% by weight of Cunilate 2002 be used for dried-film protection of adhesives and glues based on the weight of the dry product. Both synthetic emulsion, such as ethylene-vinyl acetate, and naturally derived starches, dextrans and animal glues can be successfully protected by thorough mixing in the final compounding of the adhesive.

PAINTS: Cunilate 2002 should be added to interior latex paints at levels from 1% to 10% based on the volume of paint. The treat level of 7.5% is frequently found to be optimum for protection of the paint film from mold and mildew. Because of its small particle size dispersion, Cunilate 2002 can be added to the vehicle or finished mill base prior to comingling.

HANDLING PRECAUTIONS

Cunilate 2002 is olive-drab in color and will stain clothing. Its stability makes such stains difficult to remove. Do not splash in eyes. If splashed in eyes, wash with copious amounts of water and seek prompt medical attention.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not contaminate water when disposing of equipment washwaters. Do not contaminate water by cleaning of equipment or disposal of wastes.

STORAGE AND DISPOSAL

Do not discharge excess into the effluent where it may enter lakes, streams, ponds or public water.

Do not reuse empty drum. Triple rinse and return to drum reconditioner or destroy by perforating or crushing and burying in an approved landfill.

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.

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

STANDARD PACKAGE

450 lbs. net weight fiber drum

To the best of our knowledge the information contained herein is correct. All products may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of suitability of the product is the sole responsibility of the user. Users of the product should satisfy themselves that the conditions and methods of use assure that the product is used safely. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO THE INFORMATION CONTAINED HEREIN OR THE PRODUCT TO WHICH THE INFORMATION REFERS. Nothing herein is intended as a recommendation to use our products so as to infringe any patent. We assume no liability for customer's violation of patent or other rights. The customer should make his own patent investigation relative to his proposed use.

ACCEPTED
with COMMENTS
In EPA Letter Dated:

MAR 24 1992

Cunilate® 2002

Fungistatic Dispersion Concentrate for Textiles, Wood, Kraft Paper, Paperboard, Adhesives and

Under the Federal Insecticide,
Fungicide, and Rodenticide Act

as amended, for the purpose of being
registered under EPA Registration No.

Active Ingredient

Copper-8-quinolinolate

10.0%

Inert Ingredients

90.0%

100.0%

Metallic copper equivalent 1.8%

Contains 0.90 lb. active ingredient per gallon

KEEP OUT OF REACH OF CHILDREN

CAUTION

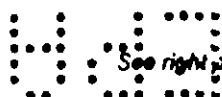
**READ THIS LABELING BEFORE USING
FOR ADDITIONAL INFORMATION SEE BULLETIN**

EPA REGISTRATION NO. 2829-130
EPA EST. REGISTRATION NO. 2829-IL-1

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Harmful if absorbed through skin or inhaled. Causes eye irritation. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.



See right panel for additional precautions

STATEMENT OF PRACTICAL TR

If swallowed: Drink 1 or 2 glasses of milk. Get medical attention.
If on skin: Wash with plenty of soap and water. Get medical attention.
If in eyes: Flush with plenty of water. Call a physician if irritation persists.
If inhaled: Remove victim to fresh air. If not breathing, give artificial respiration. Get medical attention.

ENVIRONMENTAL HAZARD

This product is toxic to fish. Do not contaminate water when disposing of this product.

PHYSICAL AND CHEMICAL HAZARD

Do not use, pour, spill or store near heat or open flame.

STORAGE AND DISPOSAL

Pesticide Storage: Do not allow to freeze.

Pesticide Disposal: Do not contaminate water, food or feed by storage or disposal. Improper disposal of excess pesticide, spray mixture, or empty container is prohibited. If these wastes cannot be disposed of by use according to label directions, contact your nearest EPA Regional Office for guidance.

Container Disposal: Triple rinse (or equivalent). Then offer for recycling or reuse, if applicable, or puncture and dispose of in a sanitary landfill by incineration or other acceptable means, by burning. If burned, stay out of smoke.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product to animals, plants, potable water, food or feed. Treated wood will be in frequent or prolonged contact with bare skin or desirable plants, plants should be covered if they may be contacted by this product. REFER TO INSTRUCTIONS ON TECHNICAL DATA SHEET.

Seller makes no warranty, expressed or implied, concerning the use of this product or assumes all risks of use and/or handling of this material when such use and/or handling is not in accordance with the label.

Morton International

Specialty Chemicals Group
Industrial Chemicals and Additives
150 Andover Street, Danvers, MA 01923

DRUM NO. _____ LOT NO. _____