


3008-91

5-10-2005

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| <p>U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Antimicrobials Division (7510C) 1200 Pennsylvania Avenue NW Washington, D.C. 20460</p>  <p>NOTICE OF PESTICIDE: <u> x </u> Registration <u> </u> Reregistration</p> <p>(under FIFRA, as amended)</p> | <p>EPA Reg. Number: 3008-91</p> | <p>Date of Issuance: May 10, 2005</p> |
| | <p>Term of Issuance: Conditional</p> | |
| | <p>Name of Pesticide Product: ORD-X378</p> | |

Name and Address of Registrant (include ZIP Code):

**Osmose, Inc.
980 Ellicott Street
Buffalo, NY 14209**

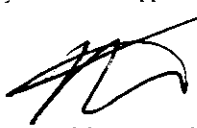
Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered 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 the Agency. In order 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 in accordance with FIFRA sec 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration 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 changes listed below before you release the product for shipment:
 - a. Add the phrase "EPA Registration Number 3008-91".

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| <p>Signature of Approving Official:</p>  <p>Adam Heyward Product Manager Team-34 Regulatory Management Branch II Antimicrobials Division (7510C)</p> | <p>Date: May 10, 2005</p> |
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b. Add to the ingredient statement for Copper 8-quinolinolate the equivalent metallic copper as part of the ingredient declaration sub-statement.

c. The Precautionary Statement should read:

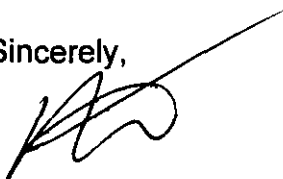
"Harmful if swallowed, or, absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling, before eating, drinking, chewing gum or using tobacco. Remove and wash contaminated clothing before reuse."

3. Submit three (3) copies of the final printed label prior to releasing this product for sale.

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

A stamped copy of the label is enclosed for your records.

Sincerely,



Adam Heyward
Product Manager 34
Regulatory Branch II
Antimicrobials Division (7510C)

Enclosure: Stamped labeling, Product Chemistry
and Acute Toxicity DERs

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ORD-X378

ANTIMICROBIAL - PRESERVATIVE
CONTROLS DECAY, STAIN, MOLD, ROT, AND MILDEW

Active Ingredients:
Copper 8-quinolinolate 34.18%

Inert Ingredients: 65.82%
Total : 100.0%

KEEP OUT OF REACH OF CHILDREN CAUTION

| FIRST AID | |
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| If in eyes: | <ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice. |
| If on skin or clothing: | <ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • 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 a 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. |
| 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. |
| HOT LINE NUMBER | |
| In case of emergency, call CHEMTREC toll free at 800-424-9300. Have the product container or label with you when calling a poison control center or doctor or going for treatment. | |

SEE LEFT PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA Registration No. 3008-xx
EPA Establishment No. 3008-TN-1

Net Contents: _____

Manufactured by
Osiose, Inc.
980 Ellicott Street
Buffalo, NY 14209

ACCEPTED
with COMMENTS
EPA Letter Dated:

MAY 10 2005

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. 3008-91

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed, inhaled or absorbed through skin. Avoid breathing vapors. Avoid contact with skin, eyes or clothing. Wear goggles, face shield or safety glasses and rubber gloves when handling. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear eye protection and rubber gloves.

Protective clothing must be changed when it shows signs of contamination. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Applicators must not eat or drink, or use tobacco products during those parts of the application process that may expose them to the wood treatment formulation (e.g., manually opening/closing cylinder doors, moving trams out of cylinders, chemicals, handling freshly treated wood).

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not contaminate water by cleaning of equipment or disposal of wash waters. 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.

ORD-X378 is a waterborne preservative recommended for use in the preservation of wood products by spray, dip, or vacuum/pressure treatment for controlling wood staining and decay organisms, surface molds and mildew.

DIRECTIONS FOR USE

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

FOR CONTROL OF WOOD MOLD AND DECAY

COMPOSITION: ORD-X378 is a formulation of copper 8-quinolinolate designed for the treatment of solid, and composite wood products used above ground by spray, dip, and above ground, and ground and fresh water contact, by vacuum/pressure process to control wood stain, mold and decay.

DIP TREATMENT: Dip treatment of wood in ORD-X378 includes the following representative wooden items: interior structural wood; wood items used or intended for use in packaging, transporting, or holding raw agricultural products; wooden decking for truck trailers, railroad cars, beverage cases; interior plywood and lumber framing and wood components of vans and refrigerator van bodies; wood inside refrigerators; rail beams; ladders; interior of boats.

VACUUM/PRESSURE TREATMENT: Vacuum/Pressure treatment applications include the following representative wood items: interior structural wood; wood items used or intended for use in packaging, transporting, or holding raw agricultural products; wooden decking for truck trailers, railroad cars, beverage cases; interior plywood and lumber framing and wood components of vans and refrigerator van bodies; wood inside refrigerators; rail beams; ladders; interior of boats, wood used for the construction of food processing establishments and warehouses; exterior wood construction lumber, decking, fence boards, gazebos, landscaping, and garden edging, wood shingles, trim, fascia.

PREPARATION OF TREATING SOLUTION:

ORD-X378 is added to water to make a treating solution of 0.001% to 2.0% by weight, depending on the end use requirement.

INSTRUCTIONS FOR TREATING WOOD:

DIP TREATMENT – Lumber and wooden containers should be totally submerged in the treating solution for a period of 5 seconds to 15 minutes, depending upon the absorption required. Harvesting and beverage containers are usually dipped for a period of 5 seconds, while most lumber is treated for 3 minutes. The treated wood should then be drained of excess solution and allowed to air dry.

PRESSURE TREATMENT –

Place the wood article to be treated into the pressure cylinder and seal unit. Treat the wooden articles using the pressure treatment procedures consistent with the equipment being used and standard treatment practices. Treatment conditions must be calibrated to yield a 0.005 to 0.40 pounds per cubic foot (pcf) active retention in the treated article. A final vacuum should be used during treatment process to remove any excess treatment solution from surface of treated wood article.

FOR SAPSTAIN CONTROL

ORD-X378 should be applied to freshly cut softwood or hardwood lumber and debarked timber within 24 hours of sawing or planing, especially in warm weather. The rate of ORD-X-378 selected should be appropriate to the lumber treated, the expected storage or shipping conditions and the duration of sapstain protection required. Use the higher rates recommended on hard to wet woods such as Douglas Fir, when disease conditions are severe, during warm weather, or when longer term protection from sapstain is needed. Treated wood should be protected from heavy rainfall until completely dry.

APPLICATION – Lumber and debarked timber is best treated with calibrated spray equipment. A dipping process can be used if the equipment allows complete coverage of the wood surface by the treatment mixture. The spray mixture or dip tank should be monitored to ensure that the selected dilution ratio of ORD-X378 is maintained.

SPRAY TREATMENT – Dilute 1 volume of ORD-X378 with 15-60 volumes of water. The fungicide mixture should be applied as a coarse spray to thoroughly cover the wood surface. Run-off should be collected for re-use. Spray equipment should be inspected regularly to ensure that complete coverage is being achieved at all times.

DIPPING TREATMENT – Dilute 1 volume with 15-40 volumes of water. Wood should be properly spaced during the dipping process to ensure that all wood surfaces are completely covered by the treatment mixture for at least three minutes. Treated wood should be allowed to drain and the mixture collected for re-use.

COVERAGE – As a spray, 1 gallon of diluted mixture will treat 150 to 250 square feet of wood depending upon the type of wood. As a dip, 5 to 10 gallons will treat 1,000 board feet.

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STORAGE AND DISPOSAL

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

PESTICIDE DISPOSAL:

Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these pesticides 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.

CONTAINER DISPOSAL:

Plastic Container:

Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or, if allowed by state and local authorities by burning. If burned, stay out of smoke.

Metal Container:

Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.