

464-719

07-12-2007

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U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Antimicrobials Division (7510P)
1200 Pennsylvania Avenue NW
Washington, D.C. 20460

EPA Reg. Number: 464-719

Date of Issuance: JUL 12 2007

Term of Issuance: Conditional

Name of Pesticide Product: CANGUARD BIT 20 As Preservative

NOTICE OF PESTICIDE:

[x] Registration
Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Abigail Trueblood
The Dow Chemical Company
1083 Building
Midland, MI 48674

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 re-registration of your product under FIFRA section 4.
2. Make the labeling changes listed below before you release the product for shipment:
a. Revise the "EPA Registration Number to read, EPA Reg. No. 464-719"

Signature of Approving Official:

Marshall Swindell
Product Manager Team-33
Regulatory Management Branch I
Antimicrobials Division (7510P)

[Handwritten Signature]

Date:

JUL 12 2007

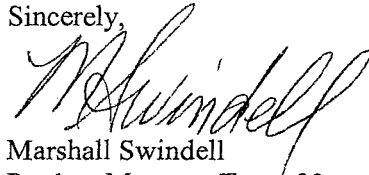
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EPA Reg. No. 464-719

- b. On page one, under the *Precautionary Statement* section, add the following language “users should wash hands before eating, drinking, chewing gum, using tobacco, or using toilet. Keep and wash contaminated clothing separately. User should remove clothing immediately if pesticides get inside clothing. Wash contaminated area on the body thoroughly and put on clean clothing. User should remove clothing immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly”.

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. Submit one (3) copy of your final printed labeling prior to release of this product for shipment. If you have any questions concerning this letter, please contact Demson Fuller at (703) 308-8062.

Sincerely,



Marshall Swindell  
Product Manager Team-33  
Regulatory Management Branch I  
Antimicrobials Division (7510P)

Enclosure: (Stamped Label)

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[Right Front Panel]

# CANGUARD™ BIT 20 AS Preservative

For industrial use only as a microbiostat preservative for aqueous compositions including, oil in water emulsions, latices, emulsion paints, water based adhesives, pesticide formulations, casein/rosin dispersions, aqueous slurries, tape joint compounds, pigment dispersions, leather processing solutions, and for preservation of fresh animal hides and skins.

Active Ingredient(s): 1,2 benzisothiazolin-3-one . . . . .	20%
Inert Ingredients . . . . .	80%
Total	100%

E.P.A. Registration No. 464-  
E.P.A. Est. 37429-GA-2

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

Precautionary Statements

Hazards to Humans and Domestic Animals

DANGER

CORROSIVE. CAUSES SEVERE EYE AND SKIN DAMAGE. HARMFUL OR FATAL IF SWALLOWED, INHALED OR ABSORBED THROUGH THE SKIN. MAY CAUSE ALLERGIC SKIN REACTIONS. DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING. WEAR GOGGLES OR FACE SHIELD AND RUBBER GLOVES WHEN HANDLING. AVOID CONTAMINATION OF FOOD.

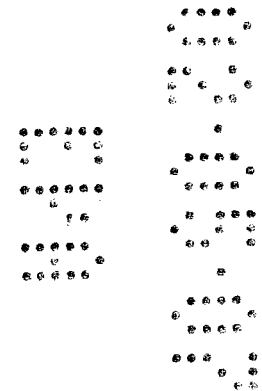
Produced for:

THE DOW CHEMICAL COMPANY  
Midland, Michigan 48674 USA  
(989)636-4400

ACCEPTED  
with COMMENTS  
in EPA Letter Dated  
JUL 12 2007

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
amended, for the pesticide  
registered under F.F.D. Reg. 2.10

464-719



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ACCEPTED  
WITH COMMENTS  
in EPA Letter Dated:

JUL 12 2007

[Center Panel]

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

464-719

FIRST AID	
<b>IF IN EYES:</b>	<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 treatment advice.</li> </ul>
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately 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 by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>IF ON SKIN OR CLOTHING:</b>	<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 treatment advice.</li> </ul>
HOT LINE NUMBER	
<p><b>IN CASE OF AN EMERGENCY</b> endangering life or property involving this product, call collect (989) 636-4400. Have the product container or label with you when calling a poison control center or doctor or going for treatment.</p>	
<p><b>NOTE TO PHYSICIAN:</b> Probable mucosal damage may contraindicate the use of gastric lavage.</p>	

**ENVIRONMENTAL HAZARDS** This pesticide is toxic to fish. 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 plan authority. For guidance, contact your State Water Board or Regional Office of the EPA.

**STORAGE AND DISPOSAL**

**STORAGE:** Protect from frost, allow to thaw and stir well before reuse.

**PESTICIDE DISPOSAL:** Do not contaminate water, food, or feed by storage or disposal. Pesticide wastes are acutely hazardous. 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. Open dumping is prohibited.

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

Notice: Seller warrants that the product conforms to its chemical description as contained on this label and is reasonably fit for the purposes stated on this label when used in accordance with directions under normal conditions of use. THE WARRANTIES MADE IN THIS PARAGRAPH ARE SELLER'S SOLE WARRANTIES AND ARE MADE EXPRESSLY IN LIEU OF AND EXCLUDE ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE AND ALL OTHER EXPRESS OR IMPLIED REPRESENTATIONS AND WARRANTIES.

ACCEPTED  
 REGISTRATIONS  
 JUL 12 2007  
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[right columns]

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 469-719

**DIRECTIONS FOR USE**

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

CANGUARD BIT 20 AS Preservative is an effective preservative in most aqueous compositions. The concentration required to give protection depends on several factors: These include the susceptibility of the system to microbiological degradation, the extent to which microorganisms can gain access, the species involved, pH, temperature and the length of time for which protection is required. For protection against bacterial attack a use concentration between 0.02- 0.35% CANGUARD BIT 20 AS Preservative is normally sufficient. Dose levels greater than 0.25% may be necessary on occasion for control of mold growth, particularly on paste products with high solids content. In dilute fluid systems control of spoilage is normally controlled with dosages not exceeding 0.09%. Typical applications and the suggested range of concentrations on which trials can be based are:

PRODUCT USE	% CANGUARD BIT 20 AS Preservative (Based on total weight of product)
Pesticide Formulations: For product preservation*	0.10-0.50
Latices, such as polymers lattices based on acrylate, butadiene, PVA, styrene for various applications, e.g. wax, floor polishes, synthetic rubber latices	0.05-0.15
Oil in water emulsions: "Spin finish" solutions for use in the textile industry	0.05-0.25
Cutting/rolling oils; soluble oils for use in the metal and engineering industries*	0.05-0.25
Paper coating compositions: Rosin dispersions; starch and casein based products	0.05-0.15
Emulsion paint: For in-can preservation	0.05-0.25
Adhesives, such as carboxy methyl cellulose(CMC) and derivatives, animal glues, adhesives based on gelatin and latex, and latex based sealants	0.05-0.25
Aqueous slurries	0.04-0.25
Tape joint compound	0.08-0.25
Pigment dispersions and pigment cakes	0.05-0.25

\*This product is exempt from tolerance under 40CFR 180.920. Products are exempted from the requirements of a tolerance when used in accordance with good agricultural practice as inert (or occasionally active) ingredients in pesticide formulations applied only to growing crops. Based on the current 40CFR 180.920 limit for 1,2-benzisothiazolin-3-one (BIT) in pesticide formulations of 0.1% , a use level of up to 0.5% (5000ppm) CANGUARD BIT AS Preservative is allowed.

\*\*It is suggested the metalworking fluid formulator limit the addition of CANGUARD BIT 20 AS Preservative to 1.5% maximum in the metalworking fluid concentrate. A 10:1 dilution of the concentrate will give the recommended use level of 0.15% CANGUARD BIT 20 AS Preservative and will reduce the possibility of skin sensitization.

**Use in Leather and Animal Hide Preservation:**

Leather Processing Solutions: Dose CANGUARD BIT 20 AS Preservative at levels of 0.05-0.25%  
 Preservation of Fresh Animal Hides and Skin: For preservation of fresh animal hides and skins prior to or during processing, use 13 fluid ounces- 2.5 gallons (1.0-24 lbs) CANGUARD BIT 20 AS Preservative per 1000 pounds hides or skins. Dosing should be made to the brine solution during the curing operation or treat hides or skins with diluted aqueous solution at other times during processing. Both use rate and length of contact time necessary to control microbial contamination will vary with the degree of decomposition of the hides or skins prior to processing.