


464-720

07-12-2007

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 <b>U.S. ENVIRONMENTAL PROTECTION AGENCY</b> Office of Pesticide Programs Antimicrobials Division (7510P) 1200 Pennsylvania Avenue NW Washington, D.C. 20460  <b>NOTICE OF PESTICIDE:</b> <u>  x  </u> Registration <u>     </u> Reregistration  (under FIFRA, as amended)	EPA Reg. Number: 464-720	Date of Issuance: <b>JUL 12 2007</b>
	Term of Issuance: <b>Conditional</b>	
	Name of Pesticide Product: CANGUARD BIT 20 DPG Preservative	

Name and Address of Registrant (include ZIP Code):  
Abigail Trueblood  
The Dow Chemical Company  
1083 Building  
Midland, MI 48674

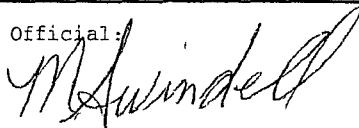
Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

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. 464-720"

Signature of Approving Official:  Marshall Swindell Product Manager Team-33 Regulatory Management Branch I Antimicrobials Division (7510P)	Date: <b>JUL 12 2007</b>
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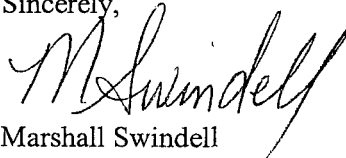
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- b. On page one, under the ***Precautionary Statement*** section, add the following language "users should wash hands before eating, drinking, chewing gum, using tobacco, or using toilet. Keep and wash contaminated clothing separately. User should 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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## CANGUARD™ BIT 20 DPG 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, detergents and cleaning solutions, casein/rosin dispersions, and for use in control of slime producing bacteria in paper making processes, aqueous slurries, titanium dioxide slurries, tape joint compounds, 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:

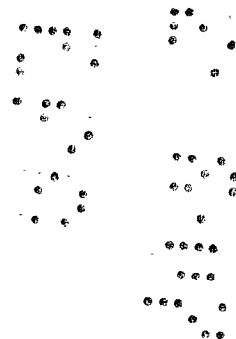
THE DOW CHEMICAL COMPANY.  
Midland, Michigan 48674 USA  
(989)636-4400

**ACCEPTED  
with COMMENTS  
in EPA Letter Dated**

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**Under the Federal Insecticide,  
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FIRST AID	
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 treatment advice.</li> </ul>
IF SWALLOWED:	<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>
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 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 and then give artificial respiration, preferably mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment.</li> </ul>
HOT LINE NUMBER	
IN CASE OF AN EMERGENCY 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.	
NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.	

**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 plant 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.

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## DIRECTIONS FOR USE

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

CANGUARD BIT 20 DPG 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 DPG 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 DPG Preservative (Based on total weight of product)
Pesticide Formulations: For product preservation*	0.05-0.25
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	0.05-0.18
Metalworking fluids: cutting/rolling oils; soluble oils for use in the metal and engineering industries**	0.05-0.18
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
Paper coating compositions: Rosin dispersions, starch and casein based products	0.05-0.15
Car care products, including car washes, waxes, silicone emulsions, tire polishes	0.075-0.15
Home cleaning products, including floor cleaners, floor waxes, floor polishes, surface cleaners	0.05-0.15
Laundry additives, such as laundry detergents, fabric softeners, stain removers	0.05-0.15
Aqueous slurries and dispersions	0.04-0.125
Tape joint compound	0.08-0.25
Inks	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 20 DPG Preservative is allowed.

\*\*It is suggested the metalworking fluid formulator limit the addition of CANGUARD BIT 20 DPG 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 DPG Preservative and will reduce the possibility of skin sensitization.

### Use in Leather and Animal Hide Preservation:

Leather Processing Solutions: Dose CANGUARD BIT 20 DPG Preservative at levels of 0.024-0.2%  
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 DPG 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

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of contact time necessary to control microbial contamination will vary with the degree of decomposition of the hides or skins prior to processing.

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### Slime Control

Slimicides can be added to paper mill systems either by shock dosing or by continuous dosing. Shock dosing is the preferred method because it will assure a high concentration of CANGUARD BIT 20 DPG Preservative in the system for several hours, helping prevent the development of resistant organisms in the system.

Factors which affect slime formation in a paper mill include the furnish employed, nutrients, such as starch, which may be added to the stock, and general cleanliness. These factors must be taken into consideration when determining the appropriate dosing quantity.

The following are suggested quantities of CANGUARD BIT 20 DPG Preservative for trial:

a) Shock dosing: Between 70-260 g (2.5-9.0 oz.av.) of CANGUARD BIT 20 DPG Preservative per ton of paper produced per day added as a single daily shock dose, should be sufficient for most slime problems. This addition may be made to any part of the stock preparation or backwater system or made to those parts of the system where slime deposits accumulate.

(b) Continuous addition: CANGUARD BIT 20 DPG Preservative should be added continuously for either the single period of 8 hours during every 24 hours or for two separate periods of 4 hours during every 24 hours CANGUARD BIT 20 DPG Preservative should be metered at the rate of 195-230 g (7.0-8.3 oz. av.) for each ton of paper produced during the dosing period, preferably this addition should be made to the recirculated backwater.

### Oil Recovery Systems Suggested Use Concentrations

Drilling Fluids, Packer Fluids, Completion Fluids: Polysaccharide fluid loss control agents and thickeners, including xanthum gum, guar or starch, 0.05-0.15% on fluid weight or 1.5-4.5 on the dry polysaccharide weight.

Injection waters (e.g. polymer and micellar/polymer floodwaters): Thickeners including xantham gum and polyacrylamides, 0.015-0.15 on solution weight.

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