

464-720

12-09-2009

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

DEC 19 2009



United States
Environmental Protection
Agency

Office of Pesticide Programs

The Dow Chemical Company
1803 Building
Midland, MI 48674

Attention: Abigail Trueblood
Senior Regulatory Specialist

Subject: CANGUARD™ BIT 20 Preservative
EPA Registration No. 464-720
Notification Dated November 9, 2009

This will acknowledge receipt of your notification to revise the container disposal statement on the label in response to PR Notice 2007-4, submitted under the provisions of FIFRA Section 3(c)(9). Based on a review of the submitted material, the following comments apply.

The Notification is in compliance with PR Notice 98-10 and is acceptable. This information has been made a part of your file.

If you have any questions concerning this letter, please contact Martha Terry at (703) 308-6217.

Sincerely,

Marshall Swindell
Product Manager (33)
Regulatory Management Branch 1
Antimicrobials Division (7510P)

Please read instructions on reverse before completing form.

Form Approved, OMB No. 2070-0080. Approval expires 2-28-



United States
Environmental Protection Agency
Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 464-720	2. EPA Product Manager M. Swindell	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) CANGUARD BIT 20 Preservative	PM# 33	
5. Name and Address of Applicant (Include ZIP Code) The Dow Chemical Company 1803 Building Midland, MI 48674 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification to update label in response to PR Notice 2007-4. Enclosed cover letter contains required Notification Certification

Section - III

1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Text No	2. Type of Container <input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container
		If "Yes" Package wgt	No. per container
3. Location of Net Contents Information <input type="checkbox"/> Label <input checked="" type="checkbox"/> Container	4. Size(s) Retail Container 55 and 275 gallon	5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph Paper glued <input type="checkbox"/> Stenciled <input type="checkbox"/> Other _____			

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Abigail Trueblood	Title Senior Regulatory Specialist	Telephone No. (Include Area Code) 847-808-3558
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment both under applicable law.		6. Date Application Received (Stamped)
2. Signature <i>Abigail Trueblood</i>	3. Title Senior Regulatory Specialist	
4. Typed Name Abigail Trueblood	5. Date 11-09-09	



November 9, 2009

The Dow Chemical Company
1500 E. Lake Cook Road
Buffalo Grove, IL 60089
USA

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504P)
U.S. Environmental Protection Agency
Room S-4900
One Potomac Yard
2777 S. Crystal Drive
Arlington, VA 22202-4501

**Re: NOTIFICATION- EPA Reg. No. 464-720
CANGUARD™ BIT 20 Preservative
The Dow Chemical Company**

Dear Mr. Swindell:

The Dow Chemical Company (Dow) hereby submits a label Notification to revise the container disposal statement in response to PR Notice 2007-4. In order for the application to be processed the required Notification Statement is below:

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under Sections 12 and 14 of FIFRA.

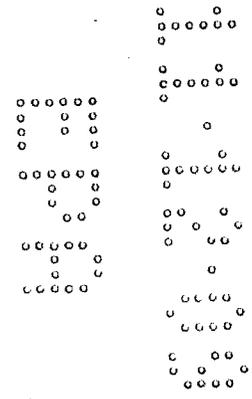
Enclosed are the following documents to support this Notification:

- EPA Form 8570-1, marked for Notification
- One copy of the proposed label with changes highlighted

Please contact me if you have any questions or need additional information.

Sincerely,

Abigail Trueblood
Senior Regulatory Specialist
The Dow Chemical Company
1500 East Lake Cook Rd.
Buffalo Grove, IL 60089
847-808-3555
atrueblood@dow.com



CANGUARD BIT 20 Preservative
Master Label
December 4, 2009

CANGUARD™ BIT 20 Preservative

For industrial use only as a microbiostat preservative for aqueous compositions including, oil in water emulsions, metalworking fluids, 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- 720
E.P.A. Est. XXXX-XX-X

KEEP OUT OF REACH OF CHILDREN

DANGER

	FIRST AID
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 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 by a poison control center or doctor.• Do not give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15-20 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 and the give artificial respiration, preferably mouth-to-mouth, if possible.• Call a poison control center or doctor for further treatment
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.	

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

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.

CANGUARD BIT 20 Preservative
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Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the 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.

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:

Nonrefillable Container: Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Then offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities 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.

CANGUARD BIT 20 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 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%.

CANGUARD BIT 20 Preservative

Master Label

December 4, 2009

Typical applications and the suggested range of concentrations on which trials can be based are:

PRODUCT USE	% CANGUARD BIT 20 Preservative (Based on total weight of product)
Pesticide Formulations: For product preservation*	0.05-0.25
Latices, such as polymers latices 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 Preservative is allowed.

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

Use in Leather and Animal Hide Preservation:

Leather Processing Solutions: Dose CANGUARD BIT 20 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 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.

Slime Control

Slimecides 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 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.

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

a) Shock dosing: Between 70-260 g (2.5-9.0 oz.av.) of CANGUARD BIT 20 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 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 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.

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.

NET WT:

Lot:

Produced for:
Dow Diamond TM
THE DOW CHEMICAL COMPANY
Midland, Michigan 48674 USA