

464-720

9/8/2010

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U.S. ENVIRONMENTAL PROTECTION AGENCY

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

EPA Reg. Number:
464-720

Date of Issuance
SEP -8-2010

Term of Issuance:
Conditional

NOTICE OF PESTICIDE:

Registration
 Reregistration

(under FIFRA, as amended)

Name of Pesticide Product:
Canguard BIT 20 Preservative

Name and Address of Registrant (include ZIP Code):

The Dow Chemical Company
1803 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.

Based on your response to the 1,2-Benzisothiazolin-3-one RED, the EPA has reregistered this product subject to the comments recorded in the succeeding paragraph. This action is taken under the authority of section 4(g) (2) of the Federal Insecticide, Fungicide and Rodenticide Acts, as amended. Reregistration under this section does not eliminate the need for continual reassessment of pesticides. The EPA may require submission of data at any time to maintain the registration of the subject product.

1. Make the following label changes:

- a. Revise the EPA Registration Number to read "464-720."

Signature of Approving Official:

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

Date:

SEP - 8 2010

- b. As per the acute toxicity review, the Hazards to Humans and Domestic Animals section must be revised to read as follows:

“DANGER. Corrosive. Causes irreversible eye damage. Do not get in eyes, on skin or on clothing. Causes skin irritation. Harmful if swallowed. Harmful if inhaled. Do not breathe vapor or spray mist Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wear protective eye wear(goggles or face shield). Wear coveralls worn over short -sleeved shirt and short pants, socks, chemical resistant footwear, and chemical resistant gloves (barrier laminate, butyl, Nitrile, or Neoprene rubber, Polyvinyl Chloride or Viton).”

- c. As per the acute toxicity review, place the “First Aid” statements in the following order:

IF IN EYES:.....
 IF ON SKIN OR CLOTHING:.....
 IF INHALED:.....
 IF SWALLOWED:.....

- d. Since the Agency recommends that additional text be added to the Note to Physician section that addresses acute eye irritation Toxicity Category I add the following statements to read as follows:

- technical information on symptomatology;
- use of supportive treatments to maintain life functions;
- medicine that will counteract the specific physiological effects of the pesticide;
- company telephone number to specific medical personnel who can provide specialized medical advice.

e. Add the following text in bold to read as follows:

User Safety Recommendations

User should wash hands before, eating, drinking, chewing gum, using tobacco, or using the toilet.

User should remove clothing/**PPE** immediately if pesticide gets inside. then wash thoroughly and put on clean clothing.

User should remove **PPE** immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

f. Add the following text to the User Safety Requirements to read as follows:

must be added to the product labeling to read as follows:

“Follow manufacturer’s instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.”

^c“Disregard clothing and other absorbent materials that have been drenched or heavily contaminated with this product’s concentrate. Do not reuse them.”

g. Delete the following text, “Keep and wash contaminated clothing separately” from the current User Safety Recommendation section.

“Do not apply this product in way that will contact workers or other persons.”

h. As per the product chemistry review, the Agency recommends placing the Storage and Disposal statements in a text box for prominence.

i. Revise the Storage subheading to read as follows:

“Pesticide Storage”

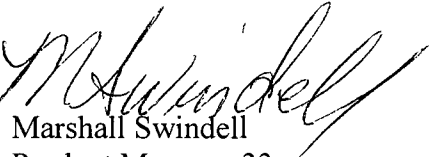
- j. Place the statement, "This product is corrosive to mild steel. Do not store or transport in unlined metal containers", under the Pesticide Storage sub-heading. The subsequent, statement, "Do not contaminate water, food, or feed by storage, disposal, or cleaning of equipment" should be revised to read, "Do not contaminate water, food, or feed by storage or disposal." This statement should be placed at the beginning of this section.

2. For additional labeling clarity and consistency, please refer to the enclosed EPA reviews.

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.

Submit two (2) copies of the revised labeling bearing the labeling revisions listed above. A stamped copy of the label is enclosed for your records.

If you have questions concerning this matter, please contact me at (703) 308-6341 or by email at swindell.marshall@epa.gov or Karen M. Leavy at (703) 308-6237 or by email at leavy.karen@epa.gov.

Sincerely,

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

Enclosures: (Stamped Label)

CANGUARD™ ULTRA BIT 20 DPG Preservative

For industrial use only as a microbistat 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 and tape joint compounds.

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

EPA Reg. No. 464-720
 EPA Est. No. 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 ADSORBED 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.

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 areas 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.

Produced for:



THE DOW CHEMICAL COMPANY
 Midland, Michigan 48674 U.S.A.

(889)636-4400
 © TM Trademark of The Dow Chemical Company ("Dow")
 or an affiliated company of Dow

Made in U.S.A.
 CUB20DPG-1204/2007-2304

FIRST AID:	
IF IN EYES:	<ul style="list-style-type: none"> Hold eyes 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 eyes. 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, then 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 (889)636-4400. Have the product container or label with you when calling a poison control center 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.**

DIRECTIONS FOR USE

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

CANGUARD ULTRA 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 ULTRA 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 0.05%.

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

PRODUCT USE	% CANGUARD ULTRA BIT 20 DPG 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
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 casin 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% (5000 ppm) CANGUARD ULTRA BIT 20 DPG Preservative is allowed.

Slime Control

Slimeicides 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 ULTRA 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 ULTRA BIT 20 DPG Preservative for trial:

- Shock dosing: Between 70-250 g (2.5-9.0 oz. av.) of CANGUARD ULTRA 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.
- Continuous addition: CANGUARD ULTRA 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 ULTRA 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 xanthan 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 xanthan gum and polyacrylamides, 0.015-0.15 on solution weight.

ACCEPTED
 with COMMENTS
 EPA Letter Dated:

SEP - 8 2010

Under the Federal Insecticide, Fungicide, and Rodenticide Act, an order for the product was registered under EPA Reg. No. 464-720

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