



U.S. ENVIRONMENTAL PROTECTION AGENCY

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

EPA Reg.

Number:

39967-55

Date of

Issuance

MAR 15 2011

Term of Issuance:

Conditional

Name of Pesticide

Product:

BIOCHEK BIT 20

NOTICE OF PESTICIDE:

Registration

Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Lanxess Corporation
111 RIDC Park West Drive
Pittsburgh, PA 15275-1112

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. The EPA Registration Number to read "39967-55".

Signature of Approving Official:

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

Date:

MAR 15 2011

b. Per the acute toxicity review and the Label Review Manual (7-4), the signal word section must be revised to read;

"DANGER POISON

[Inset skull and crossbones symbol]

c. Per the acute toxicity review, the heading "IF SKIN IRRITATION OR DERMAL EXPOSURE" in the first aid statements must be revised to read "IF ON SKIN OR CLOTHING".

d. The Agency recommends that additional text be added to the Note to Physician that addresses acute dermal toxicity and eye and skin irritation concerns.

e. Per the acute toxicity review, the Hazards to Humans and Domestic Animals must be revised to read:

"DANGER

Fatal if absorbed through skin. Corrosive. Causes irreversible eye damage. Causes skin burns. Do not get in eyes, on skin, or on clothing. May be fatal if inhaled. Do not breathing vapor or spray mist. Harmful if swallowed. Avoid contact with skin, eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wear goggles or face shield, coveralls worn over long-sleeved shirt and long pants, socks chemical-resistant footwear, chemical-resistant gloves made of barrier laminate, butyl, nitrile, or neoprene rubber, polyvinyl chloride or viton, a respirator with an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N, R, P or HE prefilter."

f. The Agency recommends that the following User Safety Requirements text be added to the label:

"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.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them."

g. Per the acute toxicity review, the following User Safety Recommendations must be added to the label:

"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. As soon as possible, wash thoroughly and change into clean clothing."

h. Per the product chemistry review, the storage and disposal section must be revised to comply with PR Notice 2007-4.

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 Martha L. Terry at (703) 308-6217 or by email at terry.martha@epa.gov.

Sincerely,



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

Enclosures

BIOCHEK[®] BIT 20

FOR INDUSTRIAL USE ONLY AS AN ANTIMICROBIAL TO PROTECT AQUEOUS COMPOSITIONS SUCH AS LATICES, OIL-IN-WATER EMULSIONS, PAINTS AND COATINGS, INKS AND FONT SOLUTIONS, WATER-BASED ADHESIVES, AQUEOUS PIGMENT OR MINERAL SLURRIES, BUILDING AND CONSTRUCTION COMPOSITIONS, PESTICIDE FORMULATIONS, HOME CLEANING PRODUCTS, LIQUID LAUNDRY ADDITIVES, CAR CARE PRODUCTS, OIL RECOVERY MATERIALS, SECONDARY OIL RECOVERY FLUIDS, PAPER OR TEXTILE COATING COMPOSITIONS, PULP AND PAPER MILL SYSTEMS, LEATHER PROCESSING SOLUTIONS, INTENDED TO PROTECT FRESH ANIMAL HIDES OR SKINS, OR SEED COATING

**KEEP OUT OF REACH OF CHILDREN
DANGER**

ACTIVE INGREDIENTS:

1,2-benzisothiazolin-3-one 19.0%
INERT INGREDIENT: 81.0%
Total 100.0%

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER. CORROSIVE. Causes skin burns and irreversible eye damage. May be fatal if inhaled. Harmful if swallowed or absorbed through skin. Do not get in eyes, on skin, or on clothing. Do not breathe vapor or spray mist. Wear goggles or face shield, chemical resistant gloves, long pants and long sleeved shirt. Wear a mask or pesticide respirator approved by the National Institute for Occupational Safety and Health. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

ENVIRONMENTAL HAZARDS

This product 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. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not apply in marine or estuarine oil fields.

DIRECTIONS FOR USE

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

For Detailed Directions For Use, Please Refer To The LANXESS Corporation Technical Information Bulletin. Read these entire directions before using BIOCHEK BIT 20.

IN CASE OF EMERGENCY, CALL: CHEMTREC 800-424-9300
EPA REGISTRATION NUMBER: 39967-55
EPA ESTABLISHMENT NUMBER: 081981-SC-001

LANXESS

LANXESS Corporation
111 RIDC Park West Drive - Pittsburgh, PA 15275-1112

FIRST AID

Call a poison control center or doctor immediately for treatment advice. Have the product container or label with you when calling a poison control center or when going for treatment.

IF IN EYES: 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 SKIN IRRITATION OR DERMAL EXPOSURE: Take off contaminated clothes. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IF INHALED: 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 treatment advice.

IF SWALLOWED: 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 so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

Poison Control Center: Call 1-800-222-1222

[®] Biochek is a registered trademark of LANXESS Corporation

INTERNATIONAL 703-527-3887
Net Contents: Pounds
Lot No.:

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

PESTICIDE STORAGE: Protect from frost. If frozen, allow to thaw and stir well before use.

PESTICIDE 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.

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.

Emergencies: In emergency situations, such as spills, fire, or exposure: call 1-800-424-9300

ACCEPTED
with COMMENTS
EPA Letter Dated:

MAR 15 2011

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. 39967-55

LABEL TEXT DATE: 11/3/2008

56200324 $\frac{f}{\infty}$

LANXESS

Energizing Chemistry

Technical Information Bulletin

BIOCHEK[®] BIT 20

EPA Registration Number: : 39967-55

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Under the Federal Insecticide,
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BIOCHEK® BIT 20

FOR INDUSTRIAL USE ONLY AS AN ANTIMICROBIAL TO PROTECT AQUEOUS COMPOSITIONS SUCH AS LATICES, OIL-IN-WATER EMULSIONS, PAINTS AND COATINGS, INKS AND FONT SOLUTIONS, WATER-BASED ADHESIVES, AQUEOUS PIGMENT OR MINERAL SLURRIES, BUILDING AND CONSTRUCTION COMPOSITIONS, PESTICIDE FORMULATIONS, HOME CLEANING PRODUCTS, LIQUID LAUNDRY ADDITIVES, CAR CARE PRODUCTS, OIL RECOVERY MATERIALS, SECONDARY OIL RECOVERY FLUIDS, PAPER OR TEXTILE COATING COMPOSITIONS, PULP AND PAPER MILL SYSTEMS, LEATHER PROCESSING SOLUTIONS, INTENDED TO PROTECT FRESH ANIMAL HIDES OR SKINS, OR SEED COATING

General

Many aqueous dispersions and emulsions can be spoiled during storage and use due to the growth in them of bacteria, fungi, molds, or other microorganisms. BIOCHEK BIT 20, an aqueous solution of 1,2-benziso-thiazolin-3-one (BIT), is an efficient microbial preservative for many aqueous systems, and exhibits:

- Effective control of a wide range of organisms at cost-effective concentrations.
- Long-term storage stability.
- Ease of use due to its liquid form and good compatibility in most aqueous compositions.
- A clear light color, with attendant advantages.

Properties of BIOCHEK® BIT 20

Composition: A solution of 1,2-Benzisothiazolin-3-one at 19% average in dipropylene glycol & water

DIRECTIONS FOR USE

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

BIOCHEK BIT 20 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 micro-organisms can gain access, the species involved, pH, temperature, and length of time for which protection is required.

For protection against bacterial attack, a concentration within the range 0.02 - 0.25% BIOCHEK BIT 20 is almost invariably sufficient. In dilute fluid systems, spoilage is usually controlled with dosages not greater than 0.09%. Control of mold growth, particularly on paste products of high solids content, may occasionally require demand dosages above 0.25%. Do not use concentrations greater than 0.50%.

Trials at different concentrations are recommended. Typical applications, and the suggested range of concentrations on which trials can be based, are:

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Type of material to be protected	Lbs BIOCHEK® BIT 20 to use per 1000 Lb of material to be protected
Latices , such as: polymer latices based on monomers such as acrylate, butadiene, PVA or styrene; synthetic rubber/latex	0.5 to 1.5 lb (0.05 - 0.15%)
Oil-in-water emulsions , such as textile spin-finish solutions, cutting/rolling oils, soluble oils (metal and engineering industries), and photographic emulsions. Note: limit amount of BIOCHEK BIT 20 in metalworking fluid concentrate (to be diluted before use) to 3.0 % to reduce the possibility of dermal sensitization.	0.5 to 1.8 lb (0.05 - 0.18%)
Paints and coatings , such as aqueous coatings, water-based paints, and emulsion paints	0.5 to 2.5 lb (0.05 - 0.25%)
Inks and font solutions	0.5 to 2.5 lb (0.05 - 0.25%)
Water-based adhesives , including animal glues, adhesives based on carboxymethylcellulose (CMC) and derivatives, gelatin and/or latex	0.5 to 2.5 lb (0.05 - 0.25%)
Aqueous slurries of pigments such as titanium dioxide slurries or of minerals such as kaolin, calcium carbonate, calcium sulfate, or magnesium sulfate	0.4 to 1.25 lb (0.04 - 0.125%)
Building and Construction compositions , such as caulks, sealants, grouts, spackling, ready-mixed cement and wallboard compounds, and tape joint compounds	0.8 to 2.5 lb (0.08 - 0.25%)
Pesticide formulations , including in-can protection and protection of use dilutions	0.5 to 2.5 lb (0.05 - 0.25%)
Home cleaning products , including floor waxes and polishes, surface cleaners, window cleaners, and dish detergents	0.5 to 1.5 lb (0.05 - 0.15%)
Liquid laundry additives , including laundry detergents, fabric softeners, and stain removers	0.5 to 1.5 lb (0.05 - 0.15%)
Car care products , including car washing products, car waxes, and silicone emulsions	0.75 to 1.5 lb (0.075 - 0.15%)
Oil recovery materials , such as drill muds, packer fluids, and completion fluids, containing polysaccharide fluid loss control agents and/or thickeners such as starch, guar, or xanthan gum	0.5 to 1.5 lb (0.05 - 0.15%) of total weight of the fluid , or 15 to 45 lb per 1000 lb of dry polysaccharide added
Secondary oil recovery injection water containing additives, such as polymer or micellar/polymer waterfloods using thickeners such as xanthan gum and/or polyacrylamides	0.15 to 1.5 lb (0.015 - 0.15%) of total weight of fluid
Leather processing solutions , to preserve the solutions	0.25 to 2 lb (0.025 - 0.20%)
Fresh animal skins and hides , to preserve the integrity of the hides and skins before or during processing. Add the appropriate quantity of BIOCHEK BIT 20 to the brine solution during the curing operation or treat hides or skins with an appropriately diluted aqueous solution during other portions of the processing operation. The specific use rate and contact time needed to control microbial attack will depend on the degree of decomposition of the hides or skins prior to treatment.	1 to 24 pounds (13 fluid ounces to 2.5 gallons) of BIOCHEK BIT 20 per 1000 pounds of hides or skins
Paper or textile coatings to be used in papermaking, including rosin dispersions, starch and casein based products	0.5 to 1.5 lb (0.05 - 0.15%)

ACCEPTED
with COMMENTS

MAR 15 2011

Type of material to be protected	Lbs BIOCHEK® BIT 20 use per 1000 Lb of material to be protected
<p>Seed Coating BIOCHEK BIT 20 is effective for the protection of in-can preservation of Seed Coatings Materials which includes, but is not limited to, colorants, dyes, seed coatings, and pesticide formulations up to 500 ppm of BIOCHEK BIT 20.</p> <p>BIOCHEK BIT 20 is exempt from tolerance under 40 CFR 180.920: Materials exempted from the requirements of a tolerance when used in accordance with good agricultural practice as an inert (or occasionally active) ingredients in pesticide formulations applied to growing crops only.</p>	<p>0.5 to 5 lb (0.05 – 0.50%)</p>
<p>Pulp & paper mill system slime control The preferred method of addition is by shock dosing because this ensures that a high concentration of BIOCHEK BIT 20 is present in the system for several hours. If a slime control agent is added by continuous methods over periods of several hours, its concentration in the system at all times is low. This can lead to the development of resistant organisms, which is less likely to occur when the shock dosing method is used.</p> <p>It is not possible to give precise recommendations as to the quantity of BIOCHEK BIT 20 to add to control slime formation, because the magnitude of the problem varies greatly from mill to mill, depending on the furnish employed, the cleanliness of the mill system, and the additional nutrients (for example, starch) that may be added to the stock.</p> <p>The following quantities of BIOCHEK BIT 20 are suggested for trial: Shock dosing: If this preferred method is adopted, add 2.5 to 9 ounces of BIOCHEK BIT 20 for each ton of paper produced per day as a single shock dose, the actual quantity to be used depending on the severity of the slime problem. This addition may be made to any part of the stock preparation or backwater system. Alternatively, the addition may be made to those parts of the system where it is known that slime deposits accumulate.</p> <p>Continuous addition: If this method is adopted, add BIOCHEK BIT 20 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. Meter BIOCHEK BIT 20 into the recirculated backwater at a rate of 7 to 8.5 ounces for each ton of paper produced during the dosing period.</p>	

ACCEPTED
 with COMMENTS
 EPA Letter Dated:
 MAR 15 2011

LANXESS Corporation
 111 RIDC Park West Drive
 Pittsburgh, PA 15275
 412-809-1000

Under the Federal Insecticide,
 Fungicide, and Rodenticide Act as
 amended, for the pesticide,
 registered under EPA Reg. No. 39967-55

The conditions of your use and application of our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance and information to determine to your own satisfaction whether they are suitable for your intended uses and applications. This application-specific analysis at least must include testing to determine suitability from a technical as well as health, safety and environmental standpoint. Such testing has not necessarily been done by LANXESS Corporation. All information is given without warranty or guarantee. It is expressly understood and agreed that the customer assumes and hereby expressly releases LANXESS from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance and information. Any statement or recommendation not contained herein is unauthorized and shall not bind LANXESS. Nothing herein shall be construed as a recommendation to use any product in conflict with patents covering any material or its use. No license is implied or in fact granted under the claims of any patent.