



U.S. ENVIRONMENTAL PROTECTION AGENCY

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

EPA Reg.

Number:

39967-54

Date of

Issuance

FEB - 9 2011

Term of Issuance:

Conditional

Name of Pesticide

Product:

BIOCHEK BIT 10

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 "39967-54".

Signature of Approving Official:

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

Date:

FEB - 9 2011

b. 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".

The following revisions are needed to the first aid statements on Page 5 of the Technical Information Bulletin.

- Per the acute toxicity review, the text "Do not give anything by mouth to an unconscious person" must be added to the end of the "IF SWALLOWED" statements in the "Technical Information bulletin".
- Delete the text "Wash contaminated clothing and footwear before reuse" from the "IF ON SKIN" statements.
- Based on toxicity ranking per the acute toxicity review, the First Aid statements on the Technical Information Bulletin must be placed on the label in the following format:

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

c. The Agency recommends that additional text addressing eye irritation concerns be added to the Note to Physician on both the label and the Technical Information Bulletin.

d. Per the acute toxicity review, the Hazards to Humans and Domestic Animals on both the label and on the Technical Information Bulletin must be revised to read:

"DANGER  
 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. Harmful if absorbed through skin. 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."

e. 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."

f. 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."

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

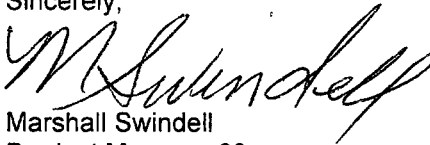
2. For additional labeling clarity and consistency, please refer to the enclosed EPA reviews.

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<sup>®</sup> BIT 10

FOR INDUSTRIAL USE ONLY AS AN ANTIMICROBIAL TO PROTECT AQUEOUS COMPOSITIONS SUCH AS LATICES, OIL-IN-WATER EMULSIONS, PAINTS AND COATINGS, INKS AND SLURRIES, BUILDING AND CONSTRUCTION COMPOSITIONS, PESTICIDE FORMULATIONS, HOME CLEANING PRODUCTS, LIQUID LAUNDRY ADDITIVES, CAR CARE PRODUCTS, COATING COMPOSITIONS, PULP AND PAPER MILL SYSTEMS, OR LEATHER PROCESSING SOLUTIONS, OR INTENDED TO CORRODE

## KEEP OUT OF REACH OF CHILDREN DANGER

### 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.

# LANXESS

**ACTIVE INGREDIENTS:**  
1,2-benzisothiazolin-3-one..... 9.0%  
**INERT INGREDIENT:** ..... 91.0%  
**Total** ..... 100.0%

### 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 10.

**DISCLAIMER:** Seller (whether manufacturer, distributor, or other) makes no warranty express or implied, including the implied warranty of merchantability, regarding this product except the position as set forth in the ingredient statement herein, and shall not be liable for special or consequential damages, the exclusive remedy being the replacement of the product. Buyer or user assumes all risk of possession, handling or use of this material when such use and/or handling is contrary to label instructions.

**IN CASE OF EMERGENCY, CALL:**  
**CHEMTREC 800-424-9300**  
**INTERNATIONAL 703-612-9300**  
**EPA Letter Dated:**  
**EPA REGISTRATION NUMBER: 39967-54**  
**EPA EST. NUMBER FEB - 9 2011**

**Net Contents:** Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 39967-54  
**Lot No.:**

® Biochek is a registered trademark of LANXESS Corporation

LANXESS Corporation  
111 RIDC Park West Drive - Pittsburgh, PA 15275-1111

### 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 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 do 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**

### Drum

### STORAGE AND DISPOSAL

**PROHIBITIONS:** Do not contaminate water, food, or feed 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 HANDLING:** Triple rinse as follows: Empty remaining contents into application equipment or mix and drain for 10 seconds after the flow begins to drip the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution for 30 seconds. Stand the container on its end and tip it back and forth, several times. Turn the container over on

LABEL TEXT DATE: 5/25/2010

# BIOCHEK<sup>®</sup> BIT 10

POSITIONS SUCH AS LATICES, OIL-IN-WATER EMULSIONS, PAINTS AND COATINGS, INKS AND FONT SOLUTIONS, WATER-BASED ADHESIVES, AQUEOUS PIGMENT OR MINERAL TIONS, HOME CLEANING PRODUCTS, LIQUID LAUNDRY ADDITIVES, CAR CARE PRODUCTS, OIL RECOVERY MATERIALS, SECONDARY OIL RECOVERY FLUIDS, PAPER OR TEXTILE AND PAPER MILL SYSTEMS, OR LEATHER PROCESSING SOLUTIONS, OR INTENDED TO PROTECT FRESH ANIMAL HIDES OR SKINS

### NTS:

-3-one..... 9.0%  
T: ..... 91.0%  
.....100.0%

### DIRECTIONS FOR USE

ral law to use this product in a  
ith its labeling.

### For Use, Please Refer To ration Technical

Read these entire directions  
( BIT 10.

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be liable for special or  
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AGENCY CALL:  
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ACCEPTED  
COMMENTS  
EPA Letter Dated:  
IN NUMBER: 39967-54  
FEB - 9 2011

er the Federal Insecticide,  
icide, and Rodenticide Act as  
nded, for the pesticide,  
tered under EPA Reg. No.  
39967-54  
trademark of LANXESS

### FIRST AID

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**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**

### Drum

#### 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 HANDLING:** Triple rinse as follows: Empty the remaining contents into application equipment or mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution for 30 seconds. Stand the container on its end and tip it back and forth, several times. Turn the container over onto

its other end and tip it back and forth. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

### Pail

#### 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 HANDLING:** Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available or reconditioning if appropriate.

If not available, pressure rinse as follows: Empty the remaining contents into the application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Insert pressure rinsing nozzle in the side of container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

### Pail

#### STORAGE AND DISPOSAL

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

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**CONTAINER HANDLING:** Triple rinse as follows: Empty the remaining contents into application equipment or mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

### Emergencies:

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

LABEL TEXT DATE: 5/25/2010

ion  
Drive - Pittsburgh, PA 15275-11

5/11

# LANXESS

Energizing Chemistry

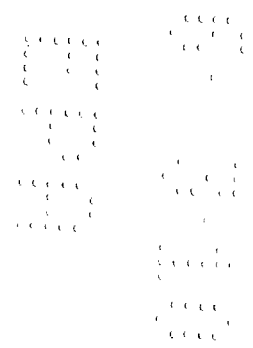
Technical Information Bulletin

## BIOCHEK<sup>®</sup> BIT 10

EPA Registration Number: : 39967-54

ACCEPTED  
with COMMENTS  
EPA Letter Dated:  
FEB - 9 2011

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No. 39967-154



7/11

**LANXESS Corporation**  
**BIOCHEK® BIT 10 Technical Information Bulletin**

**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 10, 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.

ACCEPTED  
with COMMENTS  
EPA Letter Dated:  
FEB - 9 2011

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
registered under EPA Reg. No. 39967-5

BIOCHEK BIT 10 protects against growth of microbial agents in aqueous systems such as the following:

**Latices**, such as polymer latices based on monomers such as acrylate, butadiene, PVA, or styrene, synthetic rubber/latex

**Water-based adhesives**, including animal glues, carboxymethylcellulose (CMC) and derivatives, and adhesives based on gelatin and/or latex

**Aqueous slurries of pigments**, such as titanium dioxide, or of **minerals**, such as kaolin, calcium carbonate, calcium sulfate, or magnesium sulfate

**Oil in water emulsions**, such as textile spin-finish solutions, cutting/rolling oils, soluble oils (metal and engineering industries), and photographic emulsions

**Paints and coatings**, such as aqueous coatings, water-based paints, and emulsion paints

**Inks and font solutions**

**Building and construction materials**, such as caulks, sealants, grouts, spackling, ready-mixed cement and wallboard compounds, and tape joint compounds

**Pesticide formulations**, including in-can protection and protection of use dilutions

**Cleaning products**, including floor waxes and polishes, surface cleaners, window cleaners, and dish detergents

**Liquid laundry additives**, including laundry detergents, fabric softeners, and stain removers

**Car care products**, including car washing products, car waxes, and silicone emulsions

**Oil recovery materials**, such as drill muds, packer fluids, and completion fluids

**Secondary oil recovery injection water** with additives

**Leather processing solutions**, to protect the solution

**Fresh animal hides and skins**, to preserve the integrity of the hides and skins before or during processing

**Paper coatings** to be used in papermaking, including rosin dispersions and starch and casein based products

**Pulp & paper mill system slime control** by shock dosing or continuous dosing

**U.S. REGULATORY CLEARANCES:** BIOCHEK BIT 10 is registered with the U.S. Environmental Protection Agency and has been granted EPA registration Number 39967-54.

Under 40 CFR 180.1001(d) its components are exempt from the requirement for a tolerance when used in accordance with good agricultural practice as inert (or occasionally active) ingredients in pesticides applied to growing agricultural crops. Not more than 0.1% of the active ingredient, BIT, is allowed in such pesticide formulations.

RECEIVED  
FEB 10 2011  
EPA REGISTRATION DIVISION  
WASHINGTON, DC 20460

8/11

# LANXESS Corporation BIOCHEK® BIT 10 Technical Information Bulletin

BIT, the active ingredient of BIOCHEK BIT 10, is cleared for use under the following FDA clearances:

- 21 CFR 175.105, as a preservative of adhesives
- 21 CFR 176.170, as preservative for paper coating compositions, at level not to exceed 0.01 mg/in<sup>2</sup> of finished paper or paperboard in contact with fatty & aqueous food
- 21 CFR 176.180, as preservative for paper coating compositions, at level not to exceed 0.02 mg/in<sup>2</sup> of finished paper or paperboard in contact with dry food
- 21 CFR 176.300, slimicides (in manufacture of food-contact paper or paperboard) at level not to exceed 0.06 lb per ton of dry weight fiber
- 21 CFR 177.2600(c)(4)(ix), uncured latex rubber (consult regulation for limitations)

### Properties of BIOCHEK® BIT 10

Composition:	A solution of 1,2-Benzisothiazolin-3-one at 9% average in propylene glycol & water
Physical form and appearance:	Clear amber liquid.
Viscosity:	124 mm <sup>2</sup> /s at 20°C
Specific gravity:	1.12 at 25°C
pH	10.1 at 25°C
Boiling point:	~100°C
Solubility:	Soluble in water
Stability:	Stable under all normal storage conditions

ACCEPTED  
with COMMENTS  
EPA Letter Dated:

FEB - 9 2011

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 39967-54

### DIRECTIONS FOR USE

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

BIOCHEK BIT 10 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 0.04 - 0.70% BIOCHEK BIT 10 is almost invariably sufficient. In dilute fluid systems, spoilage is usually controlled with dosages not greater than 0.18%. Control of mold growth, particularly on paste products of high solids content, may occasionally require demand dosages above 0.50%. Do not use concentrations greater than 1.0%.

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

Type of material to be protected	Lbs BIOCHEK® BIT 10 to use per 1000 Lb of material to be protected
<b>Latices</b> , such as: polymer latices based on monomers such as acrylate, butadiene, PVA or styrene; synthetic rubber/latex	1 to 3 lb (0.10 - 0.30%)
<b>Oil-in-water emulsions</b> , such as textile spin-finish solutions, cutting/rolling oils, soluble oils (metal and engineering industries), and photographic emulsions. Note: limit amount of BIOCHEK BIT 10 in metalworking fluid concentrate (to be diluted before use) to 3.0 % to reduce the possibility of dermal sensitization.	1 to 3.6 lb (0.10 - 0.36%)
<b>Paints and coatings</b> , such as aqueous coatings, water-based paints, and emulsion paints	1 to 5 lb (0.10 - 0.50%)
<b>Inks and font solutions</b>	1 to 5 lb (0.10 - 0.50%)



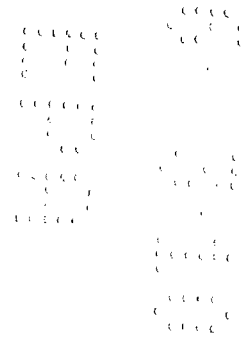
9/11

**LANXESS Corporation**  
**BIOCHEK® BIT 10 Technical Information Bulletin**

<b>Type of material to be protected</b>	<b>Lbs BIOCHEK® BIT 10 to use per 1000 Lb of material to be protected</b>
<b>Water-based adhesives</b> , including animal glues, adhesives based on carboxymethylcellulose (CMC) and derivatives, gelatin and/or latex	1 to 5 lb (0.1 – 0.5%)
<b>Aqueous slurries of pigments</b> such as titanium dioxide slurries or of <b>minerals</b> such as kaolin, calcium carbonate, calcium sulfate, or magnesium sulphate	0.8 to 2.5 lb (0.08 - 0.25%)
<b>Building and construction materials</b> , such as caulks, sealants, grouts, spackling, ready-mixed cement and wallboard compounds, and tape joint compounds	1.6 to 5 lb (0.16 – 0.50%)
<b>Pesticide formulations</b> , including in-can protection and protection of use dilutions	1 to 5 lb (0.10 – 0.50%)
<b>Home cleaning products</b> , including floor waxes and polishes, surface cleaners, window cleaners, and dish detergents	1 to 3 lb (0.10 – 0.30%)
<b>Liquid laundry additives</b> , including laundry detergents, fabric softeners, and stain removers	1 to 3 lb (0.10 – 0.30%)
<b>Car care products</b> , including car washing products, car waxes, and silicone emulsions	1.5 to 3 lb (0.15 – 0.30%)
<b>Oil recovery materials</b> , 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	1 to 3 lb per 1000 lb of fluid (0.10 – 0.30%), or 30 to 90 lb per 1000 lb of dry polysaccharide added to fluid
<b>Secondary oil recovery injection water</b> containing additives, such as polymer or micellar/polymer waterfloods using thickeners such as xanthan gum and/or polyacrylamides	0.3 to 3 lb (0.03 – 0.30%) of total weight of fluid
<b>Leather processing solutions</b> , to preserve the solutions	0.5 to 4 lb (0.05 – 0.40%)
<b>Fresh animal skins and hides</b> , to preserve the integrity of the hides and skins before or during processing. Add the appropriate quantity of BIOCHEK BIT 10 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.	2 to 48 pounds (26 fluid ounces to 5.0 gallons) of BIOCHEK BIT 10 per 1000 pounds of hides or skins
<b>Paper coatings</b> to be used in papermaking, including rosin dispersions, starch and casein based products	1 to 3 lb (0.10 – 0.30%)

ACCEPTED  
with COMMENTS  
EPA Letter Dated:  
FEB - 9 2011

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No. 39967-54



15/11

**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 10 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.

It is not possible to give precise recommendations as to the quantity of BIOCHEK BIT 10 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.

The following quantities of BIOCHEK BIT 10 are suggested for trial:

**Shock dosing:** If this preferred method is adopted, add 5 to 18 ounces of BIOCHEK BIT 10 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.

**Continuous addition:** If this method is adopted, add BIOCHEK BIT 10 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 10 into the recirculated backwater at a rate of 14 to 17 ounces for each ton of paper produced during the dosing period.

ACCEPTED  
with COMMENTS  
EPA Letter Dated:  
FEB - 9 2011

**PRECAUTIONARY STATEMENTS**

**Keep Out of Reach of Children**

**DANGER**

**Hazards to Humans and Domestic Animals**

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No.  
39967-54

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.

**FIRST AID:**

**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. Call a poison control center or doctor for treatment advice.

**If Swallowed:** Call a poison control centre 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 centre doctor.

**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 further treatment advice.

**If on Skin:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes. Call a poison control centre or doctor for treatment. Wash contaminated clothing and footwear before reuse.

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

**Have the product container or label or this Bulletin with you when calling a poison control center, doctor, or going for treatment.**

**Note to Physician:** Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed

### **ENVIRONMENTAL HAZARDS**

This product is toxic to fish. Do not discharge 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 and estuarine oil fields.

### **STORAGE AND DISPOSAL**

#### **Prohibitions**

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

#### **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 by other procedures approved by state and local authorities.

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**For information on spills, call**

**1-800-424-9300**

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#### **Safe Handling Information**

Refer to the Material Safety Data Sheet (MSDS) available from LANXESS Corporation for information on the safe use, handling and disposal of this product.

For technical information, literature, sample and order information, please contact LANXESS Corporation at the following address:

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. **39967-54**

**DISCLAIMER:** Seller (whether manufacturer, distributor, or other) makes no warranty express or implied, including the implied warranty of merchantability, regarding this product except the composition as set forth in the ingredient statement herein, and shall not be liable for special or consequential damages, the exclusive remedy being the replacement of the product. Buyer or user assumes all risk of possession, handling or use of this material when such use and/or handling is contrary to label instructions.