



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:

39967-38

Date of Issuance:

JUL 03 2003

NOTICE OF PESTICIDE:

☐ Registration
☒ Reregistration

(under FIFRA, as amended)

Term of Issuance: Conditional

Name of Pesticide Product: Biocheck 430

Name and Address of Registrant (include ZIP Code):

Bayer Chemicals Corporation
100 Bayer Road
Pittsburgh, PA 15205

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 Reregistration Eligibility Document for Methylisothiazolene RED, EPA has reregistered the above named product subject to the comments recorded in the succeeding paragraph. This action is taken under the authority of section 4(g)(2)(C) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended. Reregistration under this section does not eliminate the need for continual reassessment of pesticides. EPA may require submission of data at any time to maintain the registration of your product.

1. Make the following label changes:

a. Revise the EPA Registration No. to read "EPA Reg. No. 39967-38"

2. Place the appropriate EPA Establishment No. on the product labeling.

Signature of Approving Official:

Marshall Swindell
Product Manager 33
Regulatory Management Branch 1
Antimicrobial Division (7510C)

Date:

JUL 03 2003

- c. Place the appropriate company name and address on the product labeling because of the transfer of the product from Calgon Corporation to Nalco Chemical Company.
- d. The Spanish translation of Danger which is PELIGRO must be added to the label.
- e. Revise the subheading Statement of Practical Treatment to First Aid.
- f. Revise the First Aid statements to read as follows:

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, ter the first 5 minutes, then continue rinsing. 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 further treatment advice

IF SWALLOWED: Call a Poison Control Center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow Do not induce vomiting unless told by a Poison Control Center or doctor.

IF ON SKIN: 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.

- g. Include the additional statements with the First Aid section to read as follows:

In case of emergency call toll free 1-800-xxx-xxxx. Have the product container or label with you when calling a poison control center or doctor or going for treatment.

- h. Add a Note to Physician section to read as follows:

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage.

- i. Include the following statements to the Note to Physician section if applicable 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

- j. Revise the Hazards to Humans and Domestic Animals section to read as follows:

Danger

Corrosive. Causes irreversible eye damage. May be fatal if inhaled. Harmful if swallowed or absorbed through skin. Do not breathe vapor or spray mist. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Remove contaminated clothing and wash before reuse.

- k. Modify the PPE section to read as follows:

Personal Protection Equipment (PPE)

Handlers must wear:

Long-sleeved shirt and long pants

Socks and shoes

Goggles or face shield and

Chemical resistant gloves (such as rubber or any waterproof material) .

Either a respirator with an organic vapor (OV) cartridge, or a canister with any N, P, R or HE prefilter or a dust/mist filtering respirator (MSHA/NIOSH) approval number prefix TC-21 or a NIOSH approved respirator with any N, P, R or HE prefilter.

- l. As per the Methylothiazolone RED, the User Safety Requirements section should be placed directly below the PPE section.

- m. Revise the Storage and Disposal section to read as follows:

Storage and Disposal

Do not contaminate water, food or feed by storage or disposal

PESTICIDE STORAGE: Keep container closed....affect product handling or performance

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous ...EPA Regional Office for guidance.

CONTAINER DISPOSAL: Disposal of Drums: Do not reuse empty container. Triple rinsestay out of smoke

- n. Under the Notice section, overboard statements concerning immunity from liability must be deleted from the product labeling. The following statement, Buyer assumes all risks of use and or handling of this material, is misleading and must be deleted from the warrantly.

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3 . Submit two copies of the revised final printed label for the record.

The Confidential Statement of Formula dated October 25th, 1999, is acceptable.

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.

Sincerely,

A handwritten signature in black ink, appearing to read "M Swindell", written in a cursive style.

Marshall Swindell
Product Manager 33
Regulatory Management Branch I
Antimicrobial Division (7505C)

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BIOCHEK 430

TO INHIBIT THE GROWTH OF MICROORGANISMS IN AQUEOUS SYSTEMS, INCLUDING PAINTS, EMULSIONS, ADHESIVES, JOINT CEMENTS, PIGMENT SLURRIES AND DISPERSIONS, METALWORKING FLUIDS, INKS, POLISHES, WAXES, FIBER PROCESSING FLUIDS, HIGH VISCOSITY SUSPENSIONS, COATINGS (INCLUDING HEATING AND AIR CONDITIONING SYSTEMS), AND INDUSTRIAL RECIRCULATING COOLING WATER

FOR CONTROLLING BACTERIA, FUNGI, AND YEASTS IN PULP AND PAPERMILLS

Active Ingredient:

1,2-dibromo-2,4-dicyanobutane.....	23.725%
5-chloro-2-methyl-4-isothiazolin-3-one	0.057%
2-methyl-4-isothiazolin-3-one	0.020%
Inert Ingredients.....	<u>76.198%</u>
TOTAL	100.00%

KEEP OUT OF REACH OF CHILDREN

DANGER

STATEMENT OF PRACTICAL TREATMENT

EYES: If in eyes, hold eyelids open and flush with steady gentle stream of water for at least 15 minutes. Seek medical attention immediately.

SKIN: If on skin, wash with soap and water. Seek medical attention if irritation develops.

INTERNAL: If swallowed, call a physician or Poison Control Center. Drink one or two glasses of water and induce vomiting by touching back of throat with finger or, if available, by administering syrup of ipecac. Do not induce vomiting or give anything by mouth to an unconscious person.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

JUL 03 2003

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

39967-38

EPA Registration No. ~~39967-38~~ **39967-38**
EPA Establishment No. ~~39967-38~~
EPA Establishment No. ~~39967-38~~

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HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Corrosive to eyes. Causes eye damage and skin irritation. Harmful if swallowed. Do not get in eyes, on skin or on clothing. Mix loaders and others exposed to this product must wear: long sleeve shirt and long pants, chemical resistant gloves such as nitrile or butyl rubber; shoes plus socks; goggles and face shield and chemical resistant apron. Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. 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. Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible wash thoroughly. This product may cause skin sensitization reactions in some people.

ENVIRONMENTAL HAZARDS

This chemical is toxic to terrestrial and aquatic plants, fish and aquatic invertebrates. 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.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

STORAGE AND DISPOSAL

JUL 03 2003

Keep container closed when not in use. Do not contaminate water, food or feeds, by storage, or disposal. Ship and store Biochek 430 at temperatures between 0-42°C (32°F to 108°F). Freezing the product may cause a temporary water separation which can be corrected by mechanical agitation. Store away from heat. At temperatures above 42°C (108°F), the active ingredients in the dispersion may separate out.

Under the Federal Insecticide, Fungicide, and Rodenticide Act, amended, for the pesticide, registered under EPA Reg. No. 39967-38

ATTENTION: If the temperature indicator button is white, the product can be used directly. If the indicator button is bright blue, matching the exposed example, sample the drum. If the product is a slightly viscous, white dispersion, the product may be used. If two phases are found or clear, viscous water is found, contact your product representative. Temperature changes may alter viscosity, but will not affect product handling or performance. 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 Environmental Control Agency, or the Hazardous Waste representative at the nearest Regional Office for guidance.

Disposal of Drums: Do not reuse empty container. Triple rinse (or equivalent). Reseal container then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, 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. The amount necessary for desired protection varies, depending on exposure conditions. Do not apply this product in a way that will contact workers or other persons.

Aqueous Paints and Coatings (including heating and air conditioning systems)

BIOCHEK 430 should be incorporated into the make-up water during the grind. Effective concentration is 0.08 - 0.3%.

Latex Emulsions

BIOCHEK 430 should be added using moderate agitation immediately following cool-down of the emulsions and prior to pumping into storage tank facilities. Effective concentration is 0.05 - 0.8%.

Adhesives

BIOCHEK 430 should be incorporated with agitation into the make-up water. However, where the adhesive is heated, **BIOCHEK 430** should be added during the cool-down cycle. Adhesives for which **BIOCHEK 430** provides effective in-can preservation are: starch, epoxy, polyester, polyvinyl, acetate, styrene butadiene, methyl cellulose, acrylic, polyvinyl alcohol, hydroethyl cellulose, dextrin and casein. Effective concentration is 0.05 - 0.8%.

Waxes, Polishes and Inks

BIOCHEK 430 should be incorporated with agitation into the make-up water blend. Effective concentration is 0.05 - 0.4%.

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Dispersed Pigments

BIOCHEK 430 should be added using moderate agitation immediately following the cool-down of the dispersed pigment and prior to pumping to the storage tank facilities. Effective concentration is 0.04 - 0.9%.

Joint Cements

BIOCHEK 430 should be incorporated with agitation into the make-up water blend. Effective concentration is 0.2 - 0.4%.

Metalworking Fluids

BIOCHEK 430 can be added or metered into the final diluted fluid, either prior to its addition to the system or after the system had been filled. **BIOCHEK 430** should be thoroughly mixed into the system to assure efficacy. Effective concentration is 0.05 - 0.4%.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

Industrial Fiber Processing Fluids

BIOCHEK 430 should be added to the make-up water of emulsions or to oil with agitation. Effective concentration is 0.2 - 1.2%.

JUL 03 2003

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

Industrial Recirculating Cooling Water

Add **BIOCHEK 430** to the sump, suction side of the recirculating pump, or any other point of turbulent flow. Badly fouled systems should be cleaned before initial treatment. Optimum performance of **BIOCHEK 430** can be attained by continuous or intermittent feed. Effective concentration is 0.05 - 0.8%.

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Paper Mills - Slime Control

For control of bacterial, fungal and yeast growth in pulp, paper, and paperboard mills, add **BIOCHEK 430** at the rate of 0.08 - 0.4 lbs/ton of finished pulp or paper produced (dry basis). Addition should be made at a location that will insure uniform distribution of **BIOCHEK 430** in the mass of fiber and water, such as the beaters, Jordan inlet or discharge, broke chests, furnish chests, save-alls, and white-water chests. It is preferable to clean a fouled machine before slimicide addition whenever possible.

Method of Addition

Systems with a tendency to become severely fouled or heavily fouled systems should be thoroughly cleaned and then treated with **BIOCHEK 430** at a range of 0.24 - 0.4 lbs/ton of finished paper produced until control of the problem is achieved. Maintenance levels for systems conducive to slight or moderate fouling should be treated on an intermittent basis with **BIOCHEK 430** at a level of 0.08 - 0.4 lbs/ton of finished paper product depending upon observed conditions.

For Preservation of Pigment Slurries, Adhesives, Coatings, Emulsions, and High Viscosity Suspensions

Dosage: **BIOCHEK 430** is effective as a preservative at use levels of 0.04 - 1.0% (w/w) based on the total formulation in slurries such as: starch, clay, calcium carbonate or titanium dioxide; paper coatings, high viscosity suspensions, e.g., polymers, sizing solutions; adhesives such as: polyvinyl alcohol/polyvinyl acetate-based adhesives; starch-based adhesives; dextrin-based adhesives. The exact amount necessary for the preservation of any given formulation will depend on the components, storage time and temperature, etc., and can be determined by actual test.

Method of Addition

For preservation of slurries and high viscosity suspensions, the material should be added at a point in the processing where there will be sufficient time and agitation for good dispersion.

NOTICE

Seller makes no warranty, expressed or implied; concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instruction.

For additional information regarding incidents involving human and environmental exposure, call (412) 494-8000 and ask for the Product Regulatory Affairs Department

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SPECIALITY BIOCIDES PRODUCTS & SERVICES

BIOCHEK 430

(NOT FOR USE IN METALWORKING FLUIDS IN THE STATE OF CALIFORNIA)

Biochek 430 is a preservative which effectively inhibits the growth of microorganisms in latex emulsions, metalworking fluids, adhesives, waxes, polishes, inks, cooling water, paper manufacture, paints, coatings, and pigment slurries. **Biochek 430** is a dispersion of 1, 2-dibromo-2, 4-dicyanobutane, 5-chloro-2-methyl-4-isothiazolin 3-one and 2-methyl-4-isothiazolin-3-one.

TYPICAL PROPERTIES

Color	White to off-white
Viscosity(Brookfield RVF, #5 Spindle @ 50 rpm @ 25°C).....	1300-3100 cps
Freezing Point, °C	0°C
Specific Gravity, @ 20°C	1.1

TYPICAL LEVELS OF USE

Laboratory testing and customer use show **Biochek 430** is typically effective when applied at concentrations shown below. The exact amount necessary for the preservation of any given formulation will depend on the components, storage time and temperature, etc., and can be determined by actual testing. All concentrations are based on the total formulation weight.

	Effective Concentration
Latex emulsions	0.05-0.8%
Adhesives	0.05-0.8%
Metalworking fluids	0.05-0.4%
Waxes, Polishes and Inks	0.05-0.4%
Pigment Slurries	0.04-0.9%
Aqueous Paints & Coatings	0.08-0.3%
Industrial Cooling Water	0.05-0.8%
Pulp and Paper Mills	0.004-0.02%

Regulatory Information:

EPA Registration No. ~~18445-89~~

39967-38

FDA acceptance under 21 CFR Sections 175.105, 176.170, 176.180 and 176.300

Bayer Chemicals Corporation
100 Bayer Road
Pittsburgh, PA 15205

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in EPA Letter Dated:

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

39967-38

DIRECTIONS FOR USE

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

Latex Emulsions

Biochek 430 should be used using moderate agitation immediately following cool-down of the emulsion and prior to pumping into storage tank facilities.

Adhesives:

Biochek 430 should be incorporated with agitation into the make-up water. However, where the adhesive is heated, **Biochek 430** should be added during the cool-down cycle. Adhesives for which **Biochek 430** provides effective in-can preservation are: starch, epoxy, polyester, polyvinyl, acetate, styrene butadiene, methyl cellulose, acrylic, polyvinyl alcohol, hydroethyl cellulose, dextrin and casein.

Metalworking Fluids:

Biochek 430 can be added or metered into the final diluted fluid either prior to its addition to the system or after the system has been filled. **Biochek 430** should be thoroughly mixed into the system to assure efficacy.

Waxes, Polishes, and Inks:

Biochek 430 should be incorporated with agitation into the make-up water blend.

Dispersed Pigments:

Biochek 430 should be added using moderate agitation immediately following the cooldown of the dispersed pigment and prior to pumping to the storage tank facilities.

Aqueous Paints and Coatings:

Biochek 430 should be incorporated into the make-up water during the grind.

Industrial Recirculating Cooling Water:

Add **Biochek 430** to the sump, suction side of the recirculating pump, or any other point of turbulent flow. Badly fouled systems should be cleaned before initial treatment. Optimum performance of **Biochek 430** can be attained by continuous or intermittent feed.

Paper Mill Slimicide Control:

Biochek 430 controls bacterial, fungal and yeast growth in pulp, paper and paperboard mills. Addition should be made at a location that will insure uniform distribution of **Biochek 430**, in the mass of fiber and water, such as the beaters, Jordan inlet or discharge, broke chests, furnish chests, save-alls, and white-water chests. It is preferable to clean a fouled machine before slimicide addition whenever possible. **Biochek 430** is also used for preservation of pigment slurries, adhesives, coatings, emulsions and high viscosity suspensions.

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in EPA Letter Dated:

JUL 03 2003

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
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STORAGE AND DISPOSAL

Keep container closed when not in use. Do not contaminate water, food or feeds, by storage or disposal. Ship and store **Biochek 430** at temperatures between 0-42°C (32°F to 108°F). Freezing the product may cause a temporary water separation which can be corrected by mechanical agitation. Store away from heat. At temperatures above 42°C (108°F), the active ingredients in the dispersion may separate out.

ATTENTION: If the temperature indicator button is white, the product can be used directly. If the indicator button is bright blue, matching the exposed example, sample the drum. If the product is a slightly viscous, white dispersion, the product may be used. If two phases are found or clear, viscous water is found, contact your product representative. Temperature changes may alter viscosity, but will not affect product handling or performance. 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 Environmental Control Agency, or the Hazardous Waste representative at the nearest Regional Office for guidance.

CONTAINER DISPOSAL:

Do not reuse empty container. Triple rinse (or equivalent). Reseal container then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of the smoke.

CORROSION PROPERTIES:

Biochek 430 is compatible with materials such as PVC, polyethylene, polypropylene, Tygon, Teflon, and glass. **Biochek 430** is corrosive to mild steel. Positive displacement pumps are preferred for handling the product. Chemical feed pumps are available

PACKAGING

Biochek 430 is available in pails, drums, and bins.

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

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NOTICE

Seller makes no warranty, expressed or implied, concerning the use of this product other than that indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instruction.

While this information and recommendations set forth herein are believed to be accurate as of the data hereof, CALGON CORPORATION MAKE NO WARRANTY WITH RESPECT HERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON.

Information concerning human and environmental exposure may be reviewed on the Material Safety Data Sheet and label for this product. For additional information regarding incidents involving human and environmental exposure, call 412-494-8000 and ask for the Health and Environmental Affairs Department.

ACCEPTED
with COMMENTS
in EPA Letter Dated:
JUL 03 2013

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

39967-38