

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

SEP 21 1989

Leigis Corporation
 P.O. Box 1340
 Pittsburgh, PA 15230

Attention: Mary Ann Taylor
 Regulatory Specialist

Re: Notice

Subject: Labeling of Product
 12-0000-000
 EPA Registration No. 10445-89
 Your submission of 09/19/90, 10/19/90

The amendment referred to above, required in connection with registration under section 3(c)(7)(A) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), is accordingly provided that you:

1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:
 - a. Delete "oil fields" from the center panel of the label.
 - b. Include the following statement of misuse immediately below the Directions For Use heading on the bulletin.

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

57246:I:CR-44:Douglas:K-9:KENCO:09/19/90:09/29/99:CL:VO:EK:CT

CONCURRENCES

SYMBOL								
SURNAME								
DATE								

-2-

- c. On the bulletin, revise "Causes irreversible eye damage and skin irritation" to read "Causes eye damage and skin irritation."
- 3. Submit five (5) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely yours,



Jeff Kempter
Product Manager (32)
Antimicrobial Program Branch
Registration Division (H7505C)

Enclosure

ACCEPTED
with COMMENTS
in EPA Letter Dated:

SEP 21 1989

Under the authority of the
Federal Insecticide, Fungicide,
and Rodenticide Act, 28 U.S.C. 1359,
Registration No. 10445-89
10445-89

PRECAUTIONARY STATEMENTS
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.
Wear goggles or face shield and rubber gloves when
handling.
Wash thoroughly with soap and water after handling.
Remove contaminated clothing and wash before reuse.

STATEMENT OF PRACTICAL TREATMENT

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

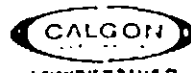
SKIN: If on skin, wash with soap and water. Seek medical
attention if irritation develops.

INTERNAL: If swallowed, call a physician or Poison Con-
trol Center. Drink 1 or 2 glasses of water and induce
vomiting by touching back of throat with finger or, if
available, by administering syrup of Ipecac. Do not in-
duce vomiting or give anything by mouth to an un-
conscious person.

ENVIRONMENTAL HAZARDS

Do not discharge effluent containing this product into
lakes, streams, ponds, estuaries, oceans, or public waters
unless this product is specifically identified and address-
ed in a NPDES permit. Do not discharge effluent contain-
ing this product to sewer systems without previously notifi-
ing the sewage treatment plant authority. For guidance,
contact your State Water Board or Regional Office of the
EPA.

NOTICE: Seller expressly warrants that the product con-
forms to its chemical description. There are no war-
ties associated with the sale of this product either ex-
press or implied including but not limited to the war-
ties of fitness for a particular purpose or merchantability.



BIOCHEK 430

TO INHIBIT THE GROWTH OF MICROORGANISMS IN LATEX
EMULSIONS, COOLING WATER, WAXES, POLISHES, INKS,
PAPER MANUFACTURE, ~~OIL FIELDS~~, PAINTS, PIGMENT
SLURRIES, COATINGS AND METALWORKING FLUIDS

ACTIVE INGREDIENTS:

1,2-Dibromo 2,4-dicyanobutane.....23.725%
5-Chloro-2-methyl-4-isothiazolin-3-one.....0.050%
2-Methyl-4-isothiazolin-3-one.....0.018%

INERT INGREDIENTS.....76.198%
100.000%

Information concerning human and environmental ex-
posure may be reviewed on the Material Safety Data Sheet
for this Product.

For additional information regarding incidents involv-
ing human and environmental exposure, call
412-777-8000 and ask for the Health and Environ-
mental Affairs Department.

KEEP OUT OF REACH
OF CHILDREN

DANGER

See Side Panel For Additional
Precautionary Statements

E.P.A. Registration No. 10445-89

(1) EPA Establishment No. 10445-PA-01
(2) EPA Establishment No. 10445-NJ-01
(3) EPA Establishment No. 10445-CA-01
(4) EPA Establishment No. 10445-TX-01
(5) EPA Establishment No. 10445-AO-01
(6) EPA Establishment No. 10445-CI-01

Net Weight

CALGON CORPORATION
CALGON CENTER • PITTSBURGH, PA 15230

DIRECTIO

It is a violation of federal law
to use this product in a manner
inconsistent with its
label. The amount necessary
depending on exposure
information refer to

STORAGE

Keep container closed
laminated water, food, or
other materials.
Ship and store BIOCHEK
00.42°C (32°F to 100°F)
cause a temporary water
reacted by mechanical a
(100°F), the active ingre
separate out.

ATTENTION: If the temper-
the product can be used.
If the indicator button is
posed example, sample
slightly viscous, white, or
used. If two phases are
is found, contact your p
Temperature changes may
effect product handling

DISPOSAL: Pesticide waste
proper disposal of excess
rinse is a violation of
cannot be disposed of by
tions, contact your State
trial Agency, or the Hazar
the nearest EPA Region

DISPOSAL OF DRUMS:
Triple rinse (or equivalent)
for recycling or reconditi
of in a sanitary landfill,
by State and local authori-
stay out of smoke.

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-dicyano-butane, 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazolin-3-one.

TYPICAL PHYSICAL PROPERTIES

Appearance White to off-white liquid
Active Ingredients Minimum 23.8%
Viscosity
(Brookfield RVF, #5 Spindle @ 50 rpm @ 25°C) 1100-1900 cps
Freezing Point 0°C
Specific Gravity 1.1 @ 20°C

TYPICAL USE LEVELS

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 & Paper Mills	0.05 - 0.8%

EPA Registration No.: 10445-89

F&DA acceptance under 21 CFR 175.105;
CFR 176.170, 176.180 and CFR 176.300
*U.S. Patents pending

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ACCEPTED
with COMMENTS
in EPA Lab - 1-1-88

SEP 21 1988

10445-52

DIRECTIONS FOR USE

Latex Emulsions:

BIOCHEK 430 should be added 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 makeup 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 cool-down 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.

COMPATIBILITY

BIOCHEK 430 is compatible with typical ingredients in end-use formulations. However, it should be added separately from amine-containing and strong nucleophylic agents during product formulations. Mixing BIOCHEK 430 with these agents may cause a reaction between the ingredients which can de-activate BIOCHEK 430.

BIOCHEK 430 is most active over a pH range of 2-9.5. In some formulations, the product has shown efficacy in higher pH formulations. If the formulation will have a final pH greater than 9.5, laboratory testing is recommended.

PRECAUTIONARY STATEMENTS/HAZARDS TO HUMANS AND DOMESTIC ANIMALS

SEP 21 1989

DANGER
CORROSIVE
CAUSES IRREVERSIBLE EYE DAMAGE AND SKIN IRRITATION
HARMFUL IF SWALLOWED

Do not get in eyes, on skin or clothing. Wear goggles or face shield and rubber gloves when handling. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

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 persists.

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.

ENVIRONMENTAL HAZARDS:

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public waters unless this product is specifically identified and addressed in an NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

STORAGE AND DISPOSAL

Keep container closed when not in use.
Do not contaminate water, food or feed by storage or disposal.

Ship and store BIOCHEK 430 between 0°C (32°F) and 42°C (108°F). Keep from freezing. Freeze-thaw cycle may cause a temporary water separation and can be corrected by mechanical agitation.

Store away from heat. At temperatures above 42°C (108°F), the active ingredient in the aqueous dispersion may separate out. A temperature-indicator spot has been added to the drum to indicate the exposure to elevated temperatures.

Instructions which appear on the label follow:

If the temperature-indicator spot on drum head label is white, the product can be used directly.

If the indicator spot on drum head label 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 or if a clear viscous water layer is found, call your product representative.

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ACCEPTED
WITH COMMENTS
in LPA Letter Dated:

STORAGE AND DISPOSAL (Cont.)

Temperature changes may alter viscosity, but should not affect handling or performance.

SEP 21 1989

Waste resulting from use of this product may be disposed of on-site or at an approved waste disposal facility.

1. Insoluble,
2. Not a Hazardous Act
3. The product
4. EPA Reg. No.
10445-84

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 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 from Calgon Corporation.

PACKAGING

BIOCHEK 430 is available in 44-pound net pails, 441-pound net drums and liquidbins containing 3,000 pounds net.

NOTICE

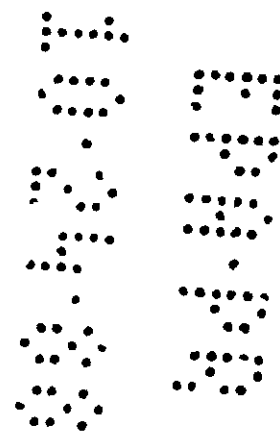
Seller makes no warranty, expressed or implied, concerning the use of this product other than that indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instruction.

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 412/777-8000 and ask for the Health and Environmental Affairs Department.

For more information, contact your Calgon Representative or write: Water Management Division, Specialty Chemicals Group, Calgon Corporation, P.O. Box 1346, Pittsburgh, PA 15230.

(Calgon logo)



BEST AVAILABLE COPY

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS
AND DOMESTIC ANIMALS**

DANGER

**CORROSIVE TO EYES.
CAUSES EYE DAMAGE AND SKIN IRRITATION
HARMFUL IF SWALLOWED**

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BIOCHEK 4

**TO INHIBIT THE GROWTH OF MICROORGANISMS IN
LATEX EMULSIONS, COOLING WATER,
POLISHES, INKS, PAPER MANUFACTURING
METALWORKING FLUIDS.**

ACTIVE INGREDIENTS:

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2-Methyl-4-isothiazolin-3-one	0.018%

INERT INGREDIENTS

76.198%
100.000%

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For additional information regarding incidents involving human and environmental exposure, call 412-772-8000 and ask for the Regulatory and Trade Affairs Department.

**KEEP OUT OF REACH OF CHILDREN
DANGER**

See Side Panel for Precautionary Statements

EPA Registration No. 100-100000
EPA Establishment No. 100-100000
EPA Establishment No. 100-100000
EPA Establishment No. 100-100000
EPA Establishment No. 100-100000
EPA Establishment No. 100-100000

Net Weight

NOT RECOMMENDED FOR USE
In Accordance with
Based on Draft 10/1/81

CALGON CORPORATION
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