

Phage 12/4



PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

CORROSIVE TO EYES
CAUSES SEVERE 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 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 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 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 a 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.

NOTICE: Seller expressly warrants that the product conforms to its chemical description. There are no warranties associated with the sale of this product either express or implied including but not limited to the warranties of fitness for a particular purpose or merchantability.

BIOCHEK 430

TO INHIBIT THE GROWTH OF MICROORGANISMS IN LATEX EMULSIONS, COOLING WATER, HOUSEHOLD PRODUCTS, PAPER MANUFACTURE AND METALWORKING FLUIDS.

ACTIVE INGREDIENTS:

1,2-Dibromo-2,4-dicyanobutane.....	23.725%
5-Chloro-2-methyl-4-isothiazolin-3-one..	0.059%
2-Methyl-4-isothiazolin-3-one.....	0.018%

INERT INGREDIENTS	76.18%
	100.000%

E.P.A. Registration No. 10445-

- EPA Establishment No. 10445-PA-01
- EPA Establishment No. 10445-NJ-01
- EPA Establishment No. 10445-CA-01
- EPA Establishment No. 10445-TX-01
- EPA Establishment No. 10445-MO-01
- EPA Establishment No. 45359-CT-01

KEEP OUT OF REACH OF CHILDREN
DANGER

See Side Panel For Additional
Precautionary Statements

NET WEIGHT _____

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

For additional information regarding incidents involving human and environmental exposure, call 412-777-8000 and ask for the Regulatory and Trade Affairs Department.

CALGON CORPORATION
Calgon Center
Pittsburgh, PA

ACCEPTED
with **COMMENTS**
in EPA Letter Dated:

DEC 04 1987

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
10445-89

DIRECTION 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. For further application information refer to the Product Bulletin.

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 00-42°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 effect 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 or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA 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.

BEST AVAILABLE COPY

ACCEPTED
with COMMENTS
LIVE/1/1/87
EPA Letter Dated:

DEC 04 1987
DEC 04 1987

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the
registered use:

BIOCHEK 430

~~10445-89~~

BIOCHEK 430 is a preservative which effectively inhibits the growth of microorganisms in latex emulsions, metalworking fluids, adhesives, industrial recirculating cooling water, paper manufacture, and household products. 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

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 preservative of any given formulation will depend on the components, storage time and temperature, etc., and can be determined by actual testing done by your Calgon representative. All concentrations are based on the total formulation weight.

Effective Concentrations

Latex Emulsions 0.05 - 0.8%
Metalworking Fluids 0.05 - 0.4%
~~Household Products 0.05 - 0.4%~~
Industrial Cooling Water 0.05 - 0.8%
Pulp & Paper Mills 0.05 - 0.8%

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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.

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. If BIOCHEK 430 is added to the concentrate, testing should be conducted to assure compatibility.

Household Products Such As Waxes, Polishes and Inks:

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

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.

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.

COMPATIBILITY

BIOCHEK 430 is compatible with typical ingredients in end-use formulations. However, it should be added separately from amine-containing and strong nucleophilic 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, product has shown efficacy in higher pH formulations. If the formulation will have a final pH greater than 9.5, laboratory testing is recommended.

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, 440 pound net drums and liquabins containing 3000 pounds net.

PRECAUTIONARY STATEMENTS/HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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

STORAGE AND DISPOSAL (Cont'd)

If 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.

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

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

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.

NOTICE

Seller makes not 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.

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 Regulatory and Trade Affairs Department.