

33753-7

4/4/2001

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:

Date of Issuance:

33753-7

APR 04 2001

NOTICE OF PESTICIDE:

- Registration
- Reregistration

Term of Issuance: Conditional

Name of Pesticide Product:

Myacide S2

under FIFRA, as amended.

Name and Address of Registrant (include ZIP Code)

Knoll Microcheck,
Knoll Pharmaceuticals
St. Nicholas Court, 25 - 27 Castle Gate
Nottingham NG1 7AR, UK

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 Bronopol 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. 33753-7"
- b. In addition to the signal word "DANGER", the word "PELIGRO" must be added to the label.

Signature of Approving Official

Marshall Swindell, PM 33
Regulatory Management Branch 1
Antimicrobial Division (7510C)

Martha S. Perry / 201

Date:

APR 04 2001

b. The heading "Statement of Practical Treatment" must be changed to "First Aid" and the statements must be revised as follows:

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 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 by a poison control center or doctor.

IF ON SKIN OR CLOTHING:

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment.

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.

c. Revise the label to include the heading subheading "Pesticide Storage" before the text "Keep Away From Heat".

d. Revise the "Precautionary Statements" that appear under the subheading "Hazards to Humans and Domestic Animals" to read:

"Causes irreversible eye damage or skin burns. May be fatal if absorbed through skin. Harmful if swallowed. Do not get in eyes, on skin, or on clothing. Do not breathe dust. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Wear coveralls over long-sleeved shirt and long pants, socks chemical resistant footwear, goggles or face shield and chemical resistance gloves (such as rubber or waterproof). Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash before reuse".

g. As per the acute toxicity review, (which is more restrictive and thereby overrides the RED), the PPE must be modified to read:

Applicators and other handlers must wear:

- Coveralls over long-sleeved shirt and long pants
- Goggles and face shield
- socks and chemical resistant footwear
- chemical resistant gloves such as nitrile rubber, butyl rubber, neoprene rubber or barrier laminate, and
- Chemical resistant apron when using or cleaning a metering Pump delivery system.

h. As per the RED (page 33) for liquid product formulations applied to cooling water systems the following engineering control restriction is required:

“Do not apply by open pouring of liquid to cooling water systems; a metering pump delivery system is required for this use and application method”.

i. As per the RED (page 33), the following text in Bold type must be added to the label.

**Follow manufacturer’s instructions for cleaning/maintaining PPE.
If no such instructions for washables, use detergent and hot water.
Keep and wash PPE separately from other laundry. Discard clothing
or other absorbent materials that have been drenched or heavily
contaminated with this product’s concentrate. Do not reuse them.**

j. The statement “Do not apply this product in a way that will contact workers or other persons” must be retained on the label.

Please note that the company name appearing on the draft label, Knoll Pharmaceuticals, does not agree with the name of record with the Agency, BASF Microcheck Limited. Please make sure that you place the correct company name on your product label.

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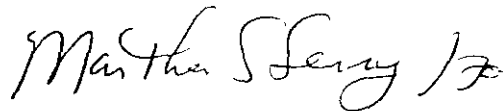
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If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

Submit two (2) copies of final printed labeling for our review. A stamped copy of the label is enclosed for your records.

If you have any questions concerning this letter, please contact Martha Terry at (703) 308-6217.

Sincerely,



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

Enclosure

MYACIDE® S2

MYACIDE S2 is a liquid microbicide for use in controlling bacteria and algae in industrial applications. Not for the control of algae in the State of California.

ACTIVE INGREDIENT:	% w/w
2-bromo-2-nitropropane-1,3-diol	40.6
INERT INGREDIENTS:	59.4
TOTAL	100.0

KEEP OUT OF REACH OF CHILDREN

DANGER

STATEMENT OF PRACTICAL TREATMENT

If swallowed	Drink large quantities of water. Do not administer liquids to an unconscious person. Call a physician.
If inhaled	Remove person to fresh air.
If on skin	Immediately flush skin with plenty of water for 15 minutes.
If in eyes	Immediately flush eyes with plenty of water for 15 minutes. Call a physician.

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

MYACIDE S2 IS A RESEARCH DISCOVERY OF
KNOLL PHARMACEUTICALS LTD
NOTTINGHAM ENGLAND

MYACIDE IS A REGISTERED TRADEMARK OF KNOLL AG

EPA REG. NUMBER 33753-7
EPA EST. NUMBER 33753-GBR 003

NET CONTENTS: SEE PACKAGE

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Corrosive. Causes eye and skin damage. Do not get in eyes, on skin or clothing. Wear long sleeve shirt and long pants, socks plus shoes. Wear goggles or face shield and chemical resistant rubber gloves when handling. Do not apply this product in a way that will contact workers or other persons. Harmful or fatal if swallowed. May cause allergic skin reactions in certain individuals. Wash thoroughly with soap and water after handling. Discard clothing or other absorbent materials that have been heavily contaminated with this product's concentrate. Do not reuse them. Remove lightly contaminated clothing and wash separately from other laundry using detergent and hot water before re-use.

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 and change into clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide 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 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 waste.

DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELLING

GENERAL USE DIRECTIONS

To control the growth of slime-forming, spoilage, odor-causing and corrosion inducing bacteria and algae in industrial applications.

MYACIDE S2 can be dosed directly or by preparing a stock solution immediately prior to application either by open pouring (not cooling water treatment) or by metered pump.

For product preservation MYACIDE S2 is best added after any heating stage or when the product has cooled below 40°C.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Keep away from heat.

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

Empty residue into application equipment. Triple rinse (or equivalent) then offer drum for recycling or reconditioning, or puncture. Dispose of container in a sanitary landfill, or by incineration, if allowed by State and local authorities. If burned, stay out of smoke.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

APR 04 2001

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

33753-7

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INDUSTRIAL PROCESS WATER

For use in closed circuit machine cooling (injection molding, etc.) and stored (non-potable) water. To reduce the biofouling of pipework, heat exchangers, condenser tubes and minimise microbially produced corrosion.

Shock dosing into the sump/tank of the process water system is preferred. In open systems shock dose once weekly to once monthly depending on the degree of contamination. Closed circuit systems require less frequent dosing.

Dose initially at 100 ppm MYACIDE S2 (0.8 pts./1000 gallons), then when successful, lower to a minimum of 20 ppm. For intermittent treatment during routine maintenance use MYACIDE S2 at 200 ppm and a contact time of at least one hour.

OIL PROCESS WATERS

For use in oil and gas well injection and formation waters. MYACIDE S2 should be injected as a slug dose at any convenient point at 50 to 200 ppm (0.4-1.6 pts/1000 gallons). A slug dose should be applied from once per week to once per month depending on the severity and rapidity of contamination.

OIL AND GAS FLUIDS

For use in both terrestrial and offshore drilling muds and packer fluids for the control of contamination and degradation of a wide range of gels and fluids including fracturing, enhanced oil recovery, injection, well squeeze, drilling, workover and completion fluids. Add MYACIDE S2 at 100-200 ppm (0.036 to 0.072 pts/barrel or 0.8 to 1.6 pts/1000 gallons).

For well squeeze fluids add Myacide S2 at 50-400 ppm (0.42 - 3.36 pts/1000 gallons).

OIL AND GAS PIPELINE AND TANK MAINTENANCE

To control bacterial contamination in water bottoms in crude and refined hydrocarbon storage tanks, piping and transportation systems.

Inject MYACIDE S2 directly into the water bottom of pipeline, or add to the hydrocarbon phase. Treat once daily for pipeline maintenance to once every one or two months for both storage and transportation systems. MYACIDE S2 should be applied to achieve 50 to 400 ppm in the aqueous phase. Add higher concentrations to the hydrocarbon phase which will result in longer term protection by gradual diffusion into the water phase.

PAPER MILL PROCESS WATER

Add at a convenient point early in the process system (machine chest, constant head box or backwater loop system).

Dose MYACIDE S2 once to three times daily at 2 to 50 ppm in the process water depending on the complexity of the system, quality of raw paper and type and degree of contamination. This equates to 20 to 500 mls (0.04 to 1.0 pts) per tonne of finished paper or paperboard.

PAPER MILLS - BULK PULP

Add MYACIDE S2 directly into the hydropulper, machine chest or stock chest. Apply once weekly to once daily at 100 to 400 ppm (100 to 400 mls per tonne of stock or 0.8 pts - 3.2 pts/1000 gallons) depending on the type and degree of contamination.

WATER BASED PRINTING INKS AND FOUNT SOLUTIONS

During the use of fount solutions, shock dose MYACIDE S2 at 100 to 200 ppm (0.8 to 1.6 pts/1000 gallons) depending on contamination. Apply once weekly in the fount reservoirs or more frequently if required.

In-can preservation dose MYACIDE S2 at 200 to 1000 ppm based on the final formulation volume (1.6 to 8 pts/1000 gallons).

STARCH, PIGMENT AND EXTENDER SLURRIES

Apply MYACIDE S2 to water based suspension concentrates at 200 to 1000 ppm based on the final formulation volume (1.6 to 8 pts/1000 gallons).

Not for use in pigments in the State of California.

PAINTS, LATEX AND ANTIFOAM EMULSION SYSTEMS

For the preservation acrylic, styrene-acrylic, polyvinyl acetate and other latex emulsion concentrates, latex emulsion based paints, silicone and other antifoam emulsion systems.

Add MYACIDE S2 at 200 to 1000 ppm based on the final formulation volume (1.6 to 8 pts/1000 gallons).

METALWORKING FLUIDS

For use in soluble oils, semi synthetic and synthetic fluids directly to the sump and circulation or about one ppm/kg shutdown.

In diluted fluids, 500 to 2000 ppm of MYACIDE S2 in the fluid is sufficient to control microbial growth (1.0 gallon of MYACIDE S2 in 1000 gallons will give 1000 ppm). For maintenance, add 200-800 ppm of MYACIDE S2.

MYACIDE S2 may be incorporated in metalworking fluid concentrate by the manufacturer who should ensure that any incompatibility will not affect efficacy.

ADHESIVES

Add 0.2-1.0 pint of MYACIDE S2 per 100 lb. total formulation weight to any water to be incorporated into the formulation.

ABSORBENT CLAYS

Impregnate absorbent clays by spraying or pouring MYACIDE S2 during production. Apply 50-400 ppm of Myacide S2 (0.08 - 0.64 oz. av. per 100 pounds of clay).

INDUSTRIAL RECIRCULATING WATER COOLING TOWERS AND EVAPORATIVE CONDENSERS

MYACIDE S2 may be slug dosed directly into the sump or basin added by a suitable chemical pump. Where metering pumps are used, these must be set to deliver the required dose within 1 hour. The dosing point should be located close to the outlet from the basin to ensure rapid dispersal around the system. Do not apply by open pouring of the liquid.

Shock dose MYACIDE S2 once or twice weekly as a normal routine or more frequently where contamination is heavy. In heavily fouled systems, the tower should be drained and cleaned before treating.

MYACIDE S2 should be shock dosed at 50 to 200 ppm (0.4 pts. & 1.6 pts. per 1000 gallons) depending on the condition of the tower, the quality of raw water input and the amount of bleed off.

Use in the Federal Insecticide, Fungicide, and Rodenticide Act as approved by the Administrator of the EPA. Registered under EPA Reg. No. 33753-7

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