



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7504C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:
33753-5

Date of Issuance:
APR 26 2002

NOTICE OF PESTICIDE:
Registration
X Reregistration

Term of Issuance:
Conditional

Name of Pesticide Product:
MYACIDE AS PLUS

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Knoll Pharmaceuticals
Knoll Microcheck, St. Nicholas Court
25-27 Castle Gate, Nottingham, NG17AR, 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, 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 anytime to maintain the registration of your product.

Make the following labeling changes before you release the product for shipment:

- a. Revise the EPA Registration Number to read, "EPA Reg. No. 33753-5".
- b. Place the appropriate EPA Establishment No. on the product labeling.

Signature of Approving Official:

Marshall Swindell, Product Manager 33,
RMBI, AD

Date:

APR 26 2002

- c. According to our records, the correct company name is BASF Microcheck Limited not Knoll Pharmaceuticals. Revise the company name on the product labeling to reflect the correct name mentioned above.
- d. The appropriate signal word for this product is Danger.
- e. Revise the subheading **Statement of Practical Treatment** to read as **First Aid**.
- f. Revise the First Aid statements to read as follows:

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 advice.

IF IN EYES:

Hold eyes 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 eyes.

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.

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.

For additional information in case of emergency call toll free (Telephone Number).

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

- g. Revise the Note to Physician section to include the text to read as follows:

Technical information on symptoms

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.

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

Corrosive. Causes irreversible eye damage and skin burns. May be fatal if swallowed or inhaled. Harmful if absorbed through skin. Do not get eyes, on skin, or on clothing. Do not breathe dust. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

- i. Place a PPE section directly below the Hazards to Humans and Domestic Animals section to read as follows:

Personal Protective Equipment:

Applicators and other handlers must wear:

coveralls over long sleeved shirt and long pants

socks and chemical resistant footwear

goggles or face shield

chemical resistant gloves such as or made of any water-proof material, and

a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with any N, R, P or HE prefilter.

- j. Place a User Safety Requirements section directly below the PPE section to read as follows:

Follow manufacturer's instructions for cleaning/maintaining PPE. If there are no such instructions for washables, use detergent, and hot water. Keep and wash PPE separately from other laundry.

- k. Place User Safety Recommendations section to appear directly below the User Safety Requirements section to read as follows:

User Safety Recommendations

User 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 the gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

- l. Revise the Physical and Chemical section to read as follows:

Do not store or mix the product with reducing agents.

Avoid contact with metal equipment such as scoops, mills, or sieves.

- m. Revise the Directions for Use section to include the following statement:

Do not apply this product in a way that will contact workers or other persons.

- n. Include a subheading, Pesticide Storage, to appear before the text *Keep away from heat.*

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

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,



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

MYACIDE™ AS PLUS

MYACIDE AS PLUS is a concentrated free-flowing crystalline solid microbiocide for use in controlling bacteria and algae found in industrial applications. Not for the control of algae in the State of California.

ACTIVE INGREDIENT:
2 bromo-2 nitropropane-1,3-diol 97.5%
INERT INGREDIENTS: 2.5%
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 AS PLUS IS A RESEARCH DISCOVERY OF
KNOLL PHARMACEUTICALS, THANE ROAD, NOTTINGHAM
ENGLAND

MYACIDE IS A REGISTERED TRADEMARK
OF KNOLL AG

EPA REG. NUMBER 33753 - 5
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 AS PLUS 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 AS PLUS 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

Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Triple rinse (or equivalent) then offer drum for recycling or reconditioning, or puncture. Dispose of drum and liner 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 26 2002

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

33753-5

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**INDUSTRIAL RECIRCULATING WATER
COOLING TOWERS AND EVAPORATIVE CONDENSERS**

MYACIDE AS PLUS may be dosed as the solid directly into the sump or basin or added to the cooling water return where there is adequate flow or turbulence to ensure quick dissolution. Do not apply by open pouring of liquid.

Shock dose MYACIDE AS PLUS 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 AS PLUS should be shock dosed at between 25g and 100g per cubic meter (0.21-0.84 lb/1000 gallons) depending on the condition of the tower, the quality of the raw water input and the amount of bleed off.

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 50 ppm MYACIDE AS PLUS (0.42 lb/1000 gallons), then when successful, lower to a minimum of 10 ppm. For intermittent treatment during routine maintenance use MYACIDE AS PLUS at 100 ppm and a contact time of at least one hour.

**INDUSTRIAL AND/OR COMMERCIAL
AIR WASHERS, AIR CONDITIONING
AND HUMIDIFYING SYSTEMS**

Shock dosing is preferred and should be carried out into the water sump on a routine basis once per week or month. Heavily fouled systems may require twice weekly treatment.

Apply MYACIDE AS PLUS at 50 ppm (0.42 lb/1000 gallons). Subsequent dosing can be reduced by half. For intermittent treatment during regular maintenance and at cleaning use 100 ppm with a contact time of at least one hour.

For small packages a 40g sachet in 200 gallons for a 4g sachet in 20 gallons of water will achieve 50 ppm.

OIL PROCESS WATERS

For use in oil and gas well injection and formation waters MYACIDE AS PLUS should be injected as a slug dose at any convenient point at 25-100 ppm (0.009 to 0.036 lb/barrel). A slug dose should be applied from once per week to once per month depending on the severity 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, drilling, waterflood, workover and completion fluids. Add MYACIDE AS PLUS at 50-100 ppm (0.018 to 0.036 lb/barrel).

For well squeeze fluids add Myacide AS PLUS at 25-200 ppm depending on the quality of the makeup water.

OIL AND GAS PIPELINE AND TANK MAINTENANCE

For use in water bottoms in crude and refined hydrocarbon storage tanks, piping and transportation systems.

Inject MYACIDE AS PLUS directly into the water bottom or 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 AS PLUS should be applied to achieve 25-200 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. Dose will depend on the volume of crude or oil and the expected water fraction.

PAPER MILL PROCESS WATER

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

Dose MYACIDE AS PLUS once to three times daily at 1 to 25 ppm in the process water. This equates to 10 g (0.250 g, 0.02 to 0.5 lb) per tonne of finished paper or paperboard depending on the complexity of the system, quality of raw paper and type and degree of contamination.

PAPER MILLS - BULK PULP

Add MYACIDE AS PLUS directly into the hydropulper, machine chest or stock chest. Apply once weekly to once daily at 50 to 200 ppm (50 g to 200 g per tonne of stock or 0.42 lb - 1.7 lb/1000 gallons) depending on the degree of contamination.

WATER BASED PRINTING INKS AND FOUNT SOLUTIONS

During the use of fount solutions, shock dose MYACIDE AS PLUS at 50 to 100 ppm (0.42 to 0.84 lb/1000 gallons) depending on the contamination. Apply once weekly in the fount reservoir as a normal routine or more frequently if required.

For In can preservation dose MYACIDE AS PLUS at 100 to 500 ppm based on the final formulation volume (0.84 to 4.2 lb/1000 gallons).

STARCH, PIGMENT AND EXTENDER SLURRIES

Apply MYACIDE AS PLUS to water based suspension concentrates 100 to 500 ppm based on the final formulation volume (0.84 to 4.2 lb/1000 gallons).

Not for use in pigments in the State of California.

CHEMICAL TOILET DEODORANTS

Incorporate MYACIDE AS PLUS at levels of 1-28% in deodorant concentrates. To effectively control odor in a portable toilet, use 100-500 ppm (0.84 to 4.2 lb/1000 gallons).

PAINTS, LATEX AND ANTIFOAM EMULSION SYSTEMS

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

Add MYACIDE AS PLUS at 100 to 500 ppm based on the final formulation volume (0.84 to 4.2 lb/1000 gallons).

METALWORKING FLUIDS

For use in soluble oils, semi-synthetic and synthetic fluids. Add directly to the sump (with agitation) and allow to circulate for about one hour before shutdown. MYACIDE AS PLUS may be incorporated in metalworking fluid concentrate by the manufacturer who should ensure that any incompatibility will not affect efficacy.

In diluted fluids add 250 to 1000 ppm of MYACIDE AS PLUS (1.0 lb of MYACIDE AS PLUS in 1000 lb will give a dose level of 1000 ppm). For maintenance, add 100-400 ppm.

ADHESIVES

Add 0.1-0.5 lb of MYACIDE AS PLUS per 100 lb total formulation weight to any water to be incorporated into the formulation.

ACCEPTED
with COMMENTS
in EPA Letter Dated:
Impregnate absorbent clays by spraying or pouring solutions of 25-200 ppm of MYACIDE AS PLUS (0.04-0.32 oz av per 100 pounds of clay).
APR 26 2002

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Fungicide, and Rodenticide Act as
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