


67071-5

4/4/2001

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	U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (H7505C) 401 "M" St., S.W. Washington, D.C. 20460	EPA Reg. Number: 67071-5	Date of Issuance: APR 04 2001
		Term of Issuance: Conditional	
		Name of Pesticide Product: Acticide 14	
NOTICE OF PESTICIDE: __ Registration <u>X</u> Reregistration (under FIFRA, as amended)			
Name and Address of Registrant (include ZIP Code): Thor Chemie GmbH andwehrstrasse 1 D-67346, Speyer, Germany			
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 the 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 Methylisothiazolone RED, EPA has reregistered the above name 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 Number to read "EPA Reg. No. 67071-5". b. The spanish word "PELIGRO" must be added to the label, following the signal word "DANGER".			
Signature of Approving Official: Marshall Swindell, PM 33 Regulatory Management Branch 1 Antimicrobial Division (7510W)		Date: APR 04 2001	

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c. 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:

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 advice.

NOTE: As per PR Notice 2001-1, registrants are encouraged to use the heading "First Aid" and place the statements in a box.

d. As per the Acute Toxicity Review dated May 8, 2000, the "Precautionary Statements" that appear under the subheading "Hazards to Humans and Domestic Animals" to read:

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

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e. As per the Acute Toxicity Review dated October 18, 2000 and the RED, the PPE must be modified to read as follows:

“Personal Protective Equipment (PPE)

Mixers, loaders and other exposed to mehylisothiazolinone must wear:

- Coveralls over long-sleeved shirt and long pants
- Socks and chemical-resistant footwear
- Goggles or face shield
- Chemical-resistant gloves (such as rubber or made out of any waterproof material).
- A respirator with an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a cannister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or NIOSH approved Respirator with an organic (OV) cartridge or canister with any R, P, or HE prefilter.
- In addition, mixers and loaders and persons cleaning equipment must wear a chemical-resistant apron.

f. Include a “Physical and Chemical Hazards” heading and the text below must be removed from the Storage and Disposal section and placed therein.

“This product is corrosive to mild steel”.

g. In the Storage and Disposal section, add the subheading “Pesticide Storage” and place the text “Do not store or transport in unlined metal containers” directly beside it.

h. As per the RED, the following information must be added to the User Safety Recommendations”.

“Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product’s concentrate”.

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.

4 7 8

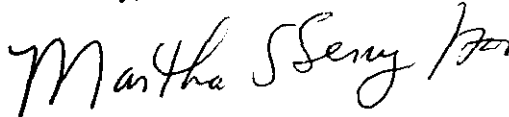
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A stamped copy of the label is enclosed for your records.

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

Sincerely,

A handwritten signature in cursive script that reads "Martha Swindell".

Marshall Swindell

Product Manager 33

Regulatory Management Branch 1

Antimicrobial Division (7510C)

Enclosure



ACTICIDE® 14F

Industrial microbiocide for use in metal working fluids, metal cleaning fluids, hydraulic fluids, adhesives, tackifiers; dispersed pigments, paints, building materials, polymer latices, oil field injection waters, paper slime control, recirculating water cooling towers, air washer systems, recirculating closed loop water cooling systems, brewery pasteurizer and can warmer systems.

ACTIVE INGREDIENTS:

5-Chloro-2-methyl-4-isothiazolin-3-one.....	10.2%
2-Methyl-4-isothiazolin-3-one	4.0%

ACCEPTED
with COMMENTS
in EPA Letter Dated:

INERT INGREDIENTS: 85.8%

TOTAL: 100.0%

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

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KEEP OUT OF REACH OF CHILDREN DANGER

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Do not induce vomiting. Drink promptly large quantities of water. Avoid alcohol. Call a physician immediately.

IF ON SKIN: Wash thoroughly with soap and water. Remove and wash contaminated clothing before reuse.

IF IN EYES: Flush with plenty of water for at least 15 minutes. Call a physician.

IF INHALED: Remove immediately to fresh air. If not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Call physician.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsions may be needed.

EPA Reg. No. 67071-5

EPA Est. No. 70897-NC-001

Manufactured By:
Thor Chemie GmbH
D-67346 Speyer, Germany
Tel. (06232) 6360

U.S. Office:
ACTI-CHEM Specialties, Inc.
56 Quarry Road
Trumbull, CT 06611 U.S.A.
Tel. (203) 365-8530

RECOMMENDED TO BE USED WITHIN 12 MONTHS FROM DATE OF MANUFACTURE.

Net Contents: _____ Pounds

Date of Manufacture: _____

1/00

Lot # _____

PRECAUTIONARY STATEMENTS: HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

KEEP OUT OF REACH OF CHILDREN

CORROSIVE. CAUSES EYE DAMAGE AND SKIN BURNS. MAY CAUSE ALLERGIC SKIN REACTION. MAY BE HARMFUL IF INHALED. MAY BE FATAL IF SWALLOWED OR ABSORBED THROUGH THE SKIN. Do not get in eyes, on skin, on clothing. Avoid breathing vapor or spray mist. Avoid contamination of food. Do not take internally. Wash thoroughly after handling.

Mixers loaders and others exposed to product must wear the following Personal Protective Equipment (PPE): long sleeve shirt and pants, rubber gloves and apron, shoes plus socks, protective eyewear.

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

APR 04 2001

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

User Safety Recommendations: 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.

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STORAGE AND DISPOSAL

PROHIBITIONS: This product (pH 3.0) is corrosive to mild steel. Do not store or transport in unlined metal containers. Do not contaminate food or feed by storage, disposal or cleaning of equipment.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide 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: Metal container: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities. Plastic container: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by incinerator or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

GENERAL: CONSULT FEDERAL, STATE OR LOCAL DISPOSAL AUTHORITIES FOR APPROVED ALTERNATIVE PROCEDURES.

CONDITIONS OF SALE AND WARRANTY

Thor Chemie GmbH warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. THOR CHEMIE GMBH MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES EITHER OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE. Handling, storage and use of the product by Buyer or User are beyond the control of Thor Chemie GmbH and Seller. Risks such as ineffectiveness or other unintended consequences resulting from, but not limited to, failure to follow label directions will be assumed by the Buyer or User. IN NO CASE WILL THOR CHEMIE GMBH OR SELLER BE HELD LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE HANDLING, STORAGE OR USE OF THIS PRODUCT.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to 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.

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Acticide 14F
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Revised 1/00
Per MIT RED

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.
Do not apply this product in a way that will contact workers or the general public.

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, this product is registered under Reg. No. 617071-5

PRESERVATIVE FOR METAL WORKING FLUIDS: Acticide 14F microbiocide is recommended for the control of bacteria and fungi in soluble and emulsifiable type aqueous metal working fluid solutions and emulsions.

Add 3.5 fluid ounces (0.3 lb) per 1000 gallons of emulsion every four weeks or 3.5 to 16 fluid ounces (0.3 to 1.3 lb) per 1000 gallons of emulsion for maintenance of a nonfouled system. For a noticeably fouled system use an initial dose of 7 to 16 fluid ounces (0.6 to 1.3 lb) per 1000 gallons emulsion followed by subsequent maintenance dosage as above. A higher dosage rate and/or increased frequency of treatment may be required depending upon the nature and severity of contamination, level of control required, filtration effectiveness, system design, etc. The preservative should be dispensed into the use dilution of the metal working fluid using a metering pump and uniformly dispersed throughout the system.

METAL CLEANING FLUID PRESERVATION: Acticide 14F microbiocide is recommended as a preservative for use in the manufacture and use of alkaline, acid and emulsion based metal cleaning fluids typically used in electroplating, phosphatizing, galvanizing and general metal cleaning operations.

For addition to a metal cleaning concentration, add Acticide 14F microbiocide at a level to ensure that the final use-dilution fluid will contain 56 to 225 ppm product (6.25 to 25 ppm active isothiazolones).

For direct addition to a fouled system, add 7.2 to 29 fluid ounces (0.6 to 2.3 lb) of Acticide 14F microbiocide to each 1000 gallons of use-dilution metal cleaning fluid every 3 to 4 weeks to provide 56 to 225 ppm product (6.25 to 25 ppm active isothiazolones). A higher dosage range and/or increased frequency of treatment may be required depending on the rate of dilution of the preservative with the make up fluid, the nature and severity of the contamination, level of control required, filtration effectiveness, system design, etc.

The preservative should be dispensed into the use dilution of the metal cleaning fluid using a metering pump and uniformly dispersed throughout the system.

PRESERVATIVE FOR WATER-BASED HYDRAULIC FLUID: Acticide 14F microbiocide is recommended as a preservative for use in the manufacture and use of high water-based hydraulic fluids and invert emulsion hydraulic fluids typically prepared by emulsifying 40% by volume water in 60% by volume of mineral oil using an oil soluble emulsifying agent.

For the maintenance of a non-fouled system, use Acticide 14F microbiocide at 12 to 15 fluid ounces (1.0 to 1.2 lb) per 1000 gallons fluid every 8 weeks. For a noticeably fouled system use an initial dose of 15 to 25 fluid ounces (1.2 to 2.0 lb) per 1000 gallons fluid to be followed by subsequent maintenance dosage. A higher dosage range and/or increased frequency of treatment may be required depending upon rate of dilution of the preservative with make-up fluid, the nature and severity of contamination, level of control required, filtration effectiveness, system design, etc.

PRESERVATIVE FOR DISPERSED PIGMENT: Acticide 14F microbiocide is recommended for the control of bacteria and fungi in the manufacture and storage of dispersed pigments such as kaolin clay, montmorillonite clay, titanium dioxide, calcium carbonate, calcium sulfate, barium sulfate, magnesium silicate and kieselguhr used in paint and paper productions. Add 0.06 to 0.225 lb. of Acticide 14F (25 to 102 grams) to each 1000 lb. (454 kg) of fluid to provide 7 to 25 ppm active isothiazolones.

PRESERVATIVE FOR ADHESIVES AND TACKIFIERS: Acticide 14F microbiocide is recommended as an in-container preservative for the control of bacteria and fungi in water soluble and water dispersed adhesives such as animal glues, vegetable glues, natural rubber latices, polyvinyl acetate, styrene-butadiene and acrylic latices. Acticide 14F microbiocide is recommended as a preservative for tackifiers derived from rosin and hydrocarbon resins.

Add 0.6 to 0.22 lb. Acticide 14F microbiocide (25 to 102 g) to each 1000 lb (454 kg) of fluid to provide 7 ppm to 25 ppm of active isothiazolone ingredients. A higher dosage rate providing up to 45 ppm active ingredients may be required for storage during extremely high temperatures and humidity.

PRESERVATIVE FOR PAINTS AND COATINGS: Acticide 14F microbiocide is recommended as an in-container preservative for the control of bacteria and fungi in water based coatings such as paper and wood coatings and paints used for architectural, product finishes and special purpose coatings.

Add 0.06 to 0.22 lb. (25 to 102 grams) Acticide 14F microbiocide to each 1000 lb. (454 kg) of fluid to provide 7 ppm to 25 ppm of active isothiazolone ingredients. A higher dosage rate providing up to 45 ppm active ingredients may be required for storage during extremely high temperatures and humidity.

PRESERVATIVE FOR BUILDING MATERIALS: Acticide 14F microbiocide is recommended as an in-container preservative for the control of bacteria and fungi in building materials such as mastics, caulks, joint cements, speckling and grouting. Add 0.05 to 0.225 lb. of Acticide 14F microbiocide to each 1000 lb. of fluid to provide 7 ppm to 25 ppm active isothiazolones.

PRESERVATIVE FOR LATICES: Acticide 14F microbiocide is recommended for the control of bacteria and fungi in the manufacture and storage of synthetic and natural polymer latices including: acrylics, styrene-butadiene, carboxylated styrene-butadiene, ethylene-vinyl acetate and biopolymers intended for industrial use such as xanthan gum, gum arabic, guar gum, protein derived polymers, starches and casein derived polymers.

Add 0.06 to 0.45 lb. (25 to 205 g) of Acticide 14F microbiocide to each 1000 lb. (454kg) of emulsion to provide 7 ppm to 50 ppm active isothiazolones.

OIL FIELD INJECTION WATERS: Add 2.5 to 6.1 lb (0.29 to 0.7 gallons) Acticide 14F per 1000 barrels of water (7.1 to 17.5 ppm Acticide 14F) weekly or as needed to maintain control of slime-forming and sulfate reducing bacteria in oil and gas field water systems including enhanced recovery injection fluids and drilling fluids. An initial dose of 6.1 to 12.4 lb Acticide 14F per 1000 barrels of water (17.4 to 34.8 ppm Acticide 14F) may be used until control is achieved. This product may be used for terrestrial and off-shore oil drilling muds and packer fluids.

PAPERMILLS: Add 0.048 to 0.16 lb of Acticide 14F per ton (dry basis) of pulp or paper produced as slug dose for the control of bacterial and fungal slime in the production of paper. Acticide 14F should be added to a point such as the Beater or Hydropulper to ensure uniform mixing.

INDUSTRIAL RECIRCULATING WATER COOLING TOWER: Acticide 14F microbiocide is recommended for the control of bacteria, algae and fungi. It should be added to the lower basin or some other point to ensure uniform mixing.

Add 0.032 to 0.196 lb of Acticide 14F per 1000 gallons of water (3.7 to 23 ppm Acticide 14F) weekly or as needed for maintenance. For noticeably fouled systems use an initial dose of 0.13 to 0.79 lb Acticide 14F per 1000 gallons of water. Repeat if necessary to achieve control.

AIR WASHER SYSTEMS: For use only in industrial air washing systems that maintain effective mist eliminating components.

Add 0.032 to 0.79 lb Acticide 14F to 1000 gallons of water (2.7 to 93.6 ppm Acticide 14F) in the air washer sump, or chill water sump to ensure uniform mixing for the control of bacteria, fungi and algae. A repeat treatment may be needed depending on the severity of contamination.

INDUSTRIAL RECIRCULATING CLOSED LOOP WATER COOLING SYSTEMS: Add 0.032 to 0.196 lb Acticide 14F per 1000 gallons of water in the system weekly to maintain control of bacteria, fungi and algae in the reservoir, recirculating line or some other point to ensure uniform mixing. For noticeably fouled systems an initial treatment with 0.13 to 0.79 lb Acticide 14F per 1000 gallons of water may be needed depending on the severity of the fouling.

BREWERY PASTEURIZERS AND CAN WARMER SYSTEMS: Add 0.032 to 0.196 lb of Acticide 14F per 1000 gallons of water in the system weekly or as needed to maintain control of bacteria, algae and fungi. For noticeably fouled systems in initial treatment with 0.13 to 0.79 lb Acticide 14F per 1000 gallons of water may be needed depending on the severity of the fouling.

Acticide 14F microbiocide weighs 10.4 lb. per gallon.

NOTE: To insure uniform mixing, add Acticide 14F microbiocide to latex or solution slowly with agitation. The actual concentrations required will depend upon such factors as the specific substance to be treated, frequency of repeated microbial contamination expected and level of protection required.

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.

67071-5