



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:

February  
20, 1997

Term of Issuance: Conditional

Name of Pesticide Product:

Acticide 14

NOTICE OF PESTICIDE:  
  X   Registration  
      Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Thor Chemie GMBH  
Landwehrstrasse 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 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.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Make the following label changes:

- Revise the EPA Registration Number to read, "EPA Reg. No. "67071-5".
- Align the specific percentages of each active with the percentage declaration for the Inert Ingredients
- Change the "If Swallowed " statement to read "Do not induce vomiting. Drink promptly large quantities of water. Avoid alcohol. Call a physician immediately."
- Separate the statement "SEE SIDE PANEL. . ." from the "Note To Physician" statement.

Signature of Approving Official:

Date:

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- e. Include the statement "Keep Out Of Reach Of Children" immediately below the word "DANGER" in your precautionary section (page 2 of the label).
3. Submit the following studies within one year of the date stamped on this letter of conditional registration:

GLN 84-2 Mutagenicity: Mouse Micronucleus Assay  
\*GLN 82-4 90-Day Inhalation (Rat)  
\*Occupational and/or Residential Exposure Assessment  
GLN 71-1 Avian Oral LD<sub>50</sub>

(\*Study required by the Methylisothiazolinone  
Reregistration Eligibility Decision Document)

4. You must have submitted the above data by February 20, 1998 for the Agency to review.

5. This conditional registration will expire automatically on August 21, 1999. If you fail to satisfy the conditions imposed in the registration, EPA may issue a Notice To Cancel under Section 6(e) of FIFRA.


6. 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.

If you have any questions concerning this letter, please contact Martha L. Terry at (703) 305-6982.

Sincerely,



Marion J. Johnson, Jr.  
Product Manager (31)  
Antimicrobial Program Branch  
Registration Division (7505C)

D R A F T

ACTICIDE 14

INDUSTRIAL MICROBIOCIDES FOR USE IN METAL WORKING FLUIDS, METAL CLEANING FLUIDS, HYDRAULIC FLUIDS, ADHESIVES, TACKIFIERS, DISPERSED PIGMENTS, PAINTS, BUILDING MATERIALS AND POLYMER LATICES.

ACTIVE INGREDIENTS:

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

INERT INGREDIENTS.....	85.8%
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TOTAL	100.0%
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KEEP OUT OF REACH OF CHILDREN

DANGER

STATEMENTS OF PRACTICAL TREATMENT

IF SWALLOWED: Do not induce vomiting. Drink promptly a large quantity of milk, egg whites, gelatin solution or if these are not available, drink large quantities of water. Avoid alcohol. Call 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. SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

MANUFACTURED BY:

Thor Chemie GmbH  
D-67346 Speyer, GERMANY

EPA Registration No. 67071-XX **ACCEPTED** EPA Establishment No. XXXXXX-XX-X  
**with COMMENTS**  
**to EPA Letter Dated:**

FEB 20 1997

Under the Federal Insecticide,  
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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER**

CORROSIVE, CAUSES EYE DAMAGE AND SKIN BURNS

MAY CAUSE ALLERGIC SKIN REACTION

MAY BE HARMFUL IF INHALED OR ABSORBED THROUGH SKIN

Do not get in eyes, on skin, on clothing. Wear goggles or face shield and rubber gloves when handling. Avoid breathing vapor or spray mist. Avoid contamination of food. Do not take internally. Wash thoroughly after handling.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish and wildlife. 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. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this pesticide only as specified on this label.

CONDITIONS OF SALE AND WARRANTY: Thor Chemie 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.

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### DIRECTIONS FOR USE

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

### PRESERVATIVE FOR METAL WORKING FLUIDS

Acticide 14 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 14 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 14 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 14 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 upon rate of dilution of the preservative with the make up fluid, the nature and severity of contamination, level of control required, filtration effectiveness, system design, etc.

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

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#### WATER-BASED HYDRAULIC FLUID PRESERVATION

Acticide 14 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 14 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.

#### DISPERSED PIGMENT PRESERVATION

Acticide 14 microbiocide is recommended for the control of bacteria and fungi in the manufacture and storage of dispersed pigments such as kaolin clay, montmorillite 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 14 (25 to 102 grams) to each 1000 lb (453 kg) of fluid to provide 7 to 25 ppm active isothiazolones.

#### PRESERVATIVE FOR ADHESIVES AND TACKIFIERS

Acticide 14 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 14 microbiocide is recommended as a preservative for tackifiers derived from rosin and hydrocarbon resins.

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

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#### PRESERVATIVE FOR PAINTS AND COATINGS

Acticide 14 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 14 microbiocide to each 1000 lb (453 kg) of fluid to provide 7 to 25 ppm 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 14 microbiocide is recommended as an in-container preservative for the control of bacteria and fungi in building materials such as mastics caulks, joint cements, spackling and grouting. Add 0.05 to 0.225 lb of Acticide 14 microbiocide to each 1000 lb of fluid to provide 7 to 25 ppm active isothiazolones.

#### PRESERVATIVE FOR LATICES

Acticide 14 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 xanthum gum, gum arabic guar gum, protein derived polymers, starches and casein derived polymers.

Add 0.06 to 0.45 lb (25 to 205 grams) of Acticide 14 microbiocide to each 1000 lb (453 kg) of emulsion to provide 7 to 50 ppm active isothiazolones.

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

Acticide 14 microbiocide weighs 10.4 lb per gallon.

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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 containers: 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 containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or 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.

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