

PM 33

67071-7

7-21-99

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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:

67071-7

Date of Issuance:

JUL 21 1999

NOTICE OF PESTICIDE:

- Registration
- Reregistration

(under FIFRA, as amended)

Term of Issuance: Conditional

Name of Pesticide Product:

Acticide OIT

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(e)(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:
 - a. Revise the EPA Registration Number to read, "EPA Reg. No. "67071-7".

Signature of Approving Official:

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

Date:

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EPA Registration No. 67071-7

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

2. The technical review of the Hydrolysis study was found to be valid. However, the following data information must be submitted:

a. Method detection limits for the HPLC.

b. Preliminary Data Sheet along with the Acticide OIT label (revised: 10/97) by Acti-Chem Specialties, states that "(Acticide OIT) is soluble in alcohols, minerals, insoluble in water." The hydrolysis study report (Covance, MRID# 447232-01, page 15) states: "solubility (of Acticide OIT) is: 0.525 g/L (at 22 C in water)". Clarification must be submit to reconcile the contradiction on the solubility issue.

3. This product is being registered on the condition that the submitted acute oral toxicity to quail study (MRID # 44859001) is found to be acceptable and satisfy the data requirements for this registration. This conditional registration will expire automatically one (1) year from the date of this Registration Notice. If you fail to satisfy the conditions imposed in this notice of registration, EPA may issue a a Notice to Cancel under Section 6(e) of FIFRA.

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 Terry at (703) 308-6217.

Sincerely,



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

Enclosure

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30711

ACCEPTED
with COMMENTS
in EPA Letter Dated:

Acticide OIT label
May 1995, rev. 10/97
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Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
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ACTICIDE OIT (TECHNICAL)

(7/19/99)

INDUSTRIAL MICROBIOCID

ACTICIDE OIT is an industrial microbiocide for the formulation of products to be used in polymer products including paints, coatings, stains and adhesives for protection against fungal attack:

ACTIVE INGREDIENT:

2-n-Octyl-4-isothiazolin-3-one..... 95.0%

INERT INGREDIENTS..... -5.0%

TOTAL 100%

KEEP OUT OF REACH OF CHILDREN

DANGER

STATEMENTS OF PRACTICAL TREATMENT

IF SWALLOWED: If swallowed, rinse mouth and throat thoroughly. Give at least two glasses of water to drink. IMMEDIATELY see a physician. Do not give anything by mouth to an unconscious person. Do not induce vomiting. Avoid alcohol.

IF ON SKIN: Flood exposed skin area with copious amounts of water. Remove contaminated clothing. Get medical attention.

IF IN EYES: Flush immediately with copious amounts of water for at least 15 minutes with the eyes held open. Get prompt medical attention after flushing.

IF INHALED: Take affected person into fresh air. Give artificial respiration if breathing has stopped. Obtain medical aid.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

MANUFACTURED BY:

Thor Chemical International
Margate, Kent ENGLAND

Net contents: _____

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Acticide OIT label
May 1995
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Under the Federal Insecticide,
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PRECAUTIONARY STATEMENTS

(7/19/99)

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

CORROSIVE, CAUSES PERMANENT, IRREVOCABLE EYE DAMAGE AND SKIN DAMAGE. MAY CAUSE ALLERGIC SKIN REACTION. HARMFUL IF INHALED OR SWALLOWED. HARMFUL IF ABSORBED THROUGH THE SKIN. PROLONGED OR REPEATED OVEREXPOSURE CAN CAUSE CENTRAL NERVOUS SYSTEM EFFECTS AND KIDNEY AND LIVER DAMAGE. DO NOT GET IN EYES, ON SKIN, ON CLOTHING. WEAR GOGGLES AND RUBBER GLOVES. AVOID BREATHING VAPOR OR MIST. KEEP CONTAINER CLOSED. USE WITH ADEQUATE VENTILATION. DO NOT TAKE INTERNALLY. WASH THOROUGHLY AFTER HANDLING.

STORAGE AND DISPOSAL:

Prohibitions: This product is corrosive to mild steel. Do not store or transport in unlined metal containers. Do not contaminate with strong oxidizing or reducing agents. do not contaminate water, food or feed by storage or 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 approved state and local procedures.

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

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish and wildlife. 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 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. Apply this pesticide only as specified on this label.

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Acticide OIT label
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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.

DIRECTIONS FOR USE

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

DRY FILM PRESERVATIVE FOR PAINTS AND OTHER POLYMER PRODUCTS

ACTICIDE OIT microbiocide is recommended for the control of fungi in latex and oil based paints, coatings and other products. Very generally speaking, 0.5 to 2.5 lb of ACTICIDE OIT should be added per 100 gallons of product. However, Thor Chemicals sells Acticide OIT only for use in the formulation of these industrial mildewcides. Formulators are responsible for providing data for their specific formulations. Thor will gladly assist in developing data for these purposes.

Acti-Chem Specialties Inc.
(U.S. Agent for Thor Chemie GmbH)
56 Quarry Road
Trumbull, CT 06611
Tel. (203) 365-6530

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ACTICIDE OIT

Preliminary Data Sheet

GENERAL DESCRIPTION

*Wide anti-fungal spectrum

ACTICIDE OIT is designed to be used specifically for the protection of aqueous and solvent based products from fungal growth in the wet state and dry film.

COMPOSITION

- *Non-metallic
- *Non-phenolic
- *Formaldehyde free

ACTICIDE OIT is one of a comprehensive range of biocides manufactured by Thor and is described chemically as 2-n-Octyl-4-isothiazolin-3-one.

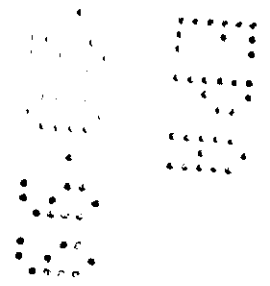
TYPICAL PROPERTIES

- *Liquid
- *Non-volatile
- *Heat stable
- *Non-leachable

ACTICIDE OIT has the following typical properties:

Property	Analysis
Appearance	Deep yellow liquid
Flash point	92 deg. C
Boiling point	Mild
Odor	No distinct odor
Specific gravity (20 deg. C)	1.02 - 1.04 g/cm ³
Solubility	Soluble in alcohols, mineral spirits, insoluble in water
Stability: pH range	3-9
Light	Stable

It should be noted that the above typical properties do not constitute a specification.



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BIOCIDAL PROPERTIES

- *Wet state preservation
- *Dry film protection
- *Anti blue-stain

ACTICIDE OIT is effective in preventing the growth of fungi known to degrade products in the dry and wet states. This degradation can take form of unsightly organic growth and in water based products, viscosity loss, malodor and general product breakdown. However, ACTICIDE OIT has a wide spectrum of activity which includes the following microorganisms most commonly associated with such product spoilage:

Dry State	Wet State
Alternaria sp.	Aspergillus sp.
Aspergillus sp.	Botrytis sp.
Aureobasidium sp.	Candida sp. (yeast)
Ceratocystis sp.	Faecilomyces sp.
Cladosporium sp.	Pencillium sp.
Sclerophoma sp.	Rhodotorula sp. (yeast)
Streptomyces sp.	Streptomyces sp.

APPLICATIONS~

- *Surface coatings
- *Wood stains
- *Adhesives
- *Pretreatments

ACTICIDE OIT is recommended for the wet state and dry film fungal protection of most interior and exterior coatings and products including aqueous and solvent based paints and wood stains, varnishes, textured coatings, adhesives, fillers and sealants. In addition, a solution of ACTICIDE OIT in solvents such as white spirit or odorless kerosene provides an ideal fungicidal pretreatment for surfaces prior to coating.

ACTICIDE OIT is also particularly effective in a large number of speciality applications such as pre-pasted wallcoverings, timber preservatives, fabric coatings, etc.

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QUANTITIES OF USE

The quantity of ACTICIDE OIT re-
quired to protect most formulations
against fungal spoilage is normally
in the range of 0.05 to 0.1% based
on the total wet weight of the fin-
ished product. For fungicidal pre-
treatments, particularly of timber,
a concentration of 0.13 to 0.38%
will provide an effective "prior to
coating" treatment.

LABORATORY SERVICE

The Thor microbiology laboratories
will gladly assist in the determina-
tion of the optimum quantity re-
quired by your product. This facil-
ity is especially useful where a
formulation has greater than usual
susceptibility to microbiological
fungal spoilage and/or is to be used
in an area where the environmental
conditions are particularly condu-
cive to fungal growth.

METHOD OF USE

ACTICIDE OIT can be added to most
products at any stage in the produc-
tion process. But since, in many
cases, fungal protection is required
throughout, it is strongly recom-
mended that ACTICIDE OIT is stirred
efficiently into the formulation as
early as possible. Where a post
addition is required, thorough mix-
ing should be employed.

COMPATIBILITY

ACTICIDE OIT is compatible with most
raw materials used in microbiologi-
cally susceptible products. It
causes no discoloration and may be
used in formaldehyde sensitive sys-
tems.

AVAILABILITY

ACTICIDE OIT is readily available ex-
stock at all times.

PACKAGING

ACTICIDE OIT is delivered in plastic
drums containing 25 kg net and in
polythene lined steel drums contain-
ing 200 kg net.

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TRANSPORT

The original containers are most suitable for transportation of ACTICIDE OIT. If it is necessary to transfer ACTICIDE OIT into alternative containers, seek specific advice from Thor.

STORAGE

ACTICIDE OIT should be stored in the original containers and, in accordance with good stock rotation practice should be used within 12 months of purchase, being protected from extremes of temperatures during storage.

CONTAINER DISPOSAL

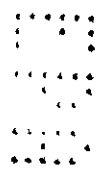
Metal containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by other approved state and local procedures.

Plastic containers: Triple rinse (or equivalent). Then offer for recycling or by incineration 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.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS. DANGER. CORROSIVE, CAUSES PERMANENT, IRREVOCABLE EYE DAMAGE AND SKIN DAMAGE. MAY CAUSE ALLERGIC SKIN REACTION. HARMFUL IF INHALED OR SWALLOWED. HARMFUL IF ABSORBED THROUGH THE SKIN. PROLONGED OR REPEATED OVEREXPOSURE CAN CAUSE CENTRAL NERVOUS SYSTEM EFFECTS AND KIDNEY AND LIVER DAMAGE. DO NOT GET IN EYES, ON SKIN, ON CLOTHING. WEAR GOGGLES AND RUBBER GLOVES. AVOID BREATHING VAPOR OR MIST. KEEP CONTAINER CLOSED. USE WITH ADEQUATE VENTILATION. DO NOT TAKE INTERNALLY. WASH THOROUGHLY AFTER HANDLING.



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STATEMENTS OF PRACTICAL
TREATMENT

KEEP OUT OF REACH OF CHILDREN.
DANGER.

IF SWALLOWED: If swallowed, rinse mouth and throat thoroughly. Give at least two glasses of water to drink. IMMEDIATELY see a physician. Do not give anything by mouth to an unconscious person.

IF ON SKIN: Flood exposed skin area with copious amounts of water. Remove contaminated clothing. Get medical attention.

IF IN EYES: Flush immediately with copious amounts of water for at least 15 minutes with the eyes held open. Get prompt medical attention after flushing.

IF INHALED: Take affected person into fresh air. Give artificial respiration if breathing has stopped. Obtain medical aid.

STORAGE AND DISPOSAL

Prohibitions: This product is corrosive to mild steel. Do not store or transport in unlined metal containers. Do not contaminate with strong oxidizing or reducing agents. Do not contaminate water, food or feed by storage or 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.

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STORAGE AND DISPOSAL
(continued)

Spillages of Acticide OIT should be absorbed in an inert material such as sand, clay or vermiculite and transferred into heavy duty polyethylene bags or containers. These should be disposed of through specialist waste disposal contractor in accordance with local regulations.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildlife. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or public waters unless this product is specifically identified and address in an 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. Apply this pesticide only as specified on this label.

WARRANTY STATEMENT

Acti-Chem Specialties Inc.
56 Quarry Road
Trumbull, CT 06611
Tel. (203) 365-6530

