

PM 33

67071-7

8-27-99

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

AUG 27 1999

Thor Chemie GMBH
Landwehrstrasse 1
D-67346 Speyer, Germany

Attn: Gerie Werdig, Manager
Regulatory Affairs

Subject: Acticide 45
EPA Registration No. 67071-6

Acticide OIT
EPA Registration No. 67071-7 ✓

Letter Dated November 11, 1998

The Agency is in receipt of your submitted final printed label based on the previouslyly accepted draft label dated July 21, 1999. The label has been placed in your product file and not reviewed in accordance with PR Notice 82-2.

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

Sincerely,

Martha S Terry

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

CONCURRENCES

SYMBOL	SURNAME	DATE					

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NOT REVIEWED
In Accordance with PR Notice 82-2.
Based on Draft Labeling Dated

ACTICIDE® OIT (TECHNICAL)

Industrial Microbiocide

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:.....100.0%

**KEEP OUT OF REACH OF CHILDREN
DANGER**

STATEMENT OF PRACTICAL TREATMENT

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

EPA Reg. No. 67071-7

EPA Est. No. 67071-EN-001

Manufactured By/For:

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) 365-6530

NOT FOR SALE OR USE AFTER 12 MONTHS FROM DATE OF MANUFACTURE.

Net Contents: _____ Pounds

Date of Manufacture: _____

Lot # _____

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.

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, 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 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.

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, ACTICIDE® OIT is only sold 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.

ACTICIDE® OIT

PRODUCT BULLETIN

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.

Appearance:	Deep yellow liquid
Flash point:	92° C
Boiling point:	Undetermined
Odor:	Mild
Specific gravity:	1.02 - 1.04 g/cm ³ (20° C)
Solubility:	Soluble in alcohols, mineral spirits. Slightly soluble in water.
Stability:	pH range 3-9, light stable

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

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 the 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.	Paecilomyces sp.
Cladosporium sp.	Pencillium sp.
Sclerophoma sp.	Rhodotorula sp. (yeast)
Streptomyces sp.	Streptomyces sp.

APPLICATIONS: Surface coatings, wood stains, adhesives, pre-treatments.

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 specialty applications such as pre-pasted wall coverings, timber preservatives, fabric coatings, etc.

QUANTITIES OF USE

The quantity of **ACTICIDE® OIT** required 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 finished 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 Acti-Chem laboratory will gladly assist in the determination of the optimum quantity required by your product. This facility 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 conducive to fungal growth.

METHOD OF USE

ACTICIDE® OIT can be added to most products at any stage in the production process. But since, in many cases, fungal protection is required throughout, it is strongly recommended that **ACTICIDE® OIT** is stirred efficiently into the formulation as early as possible. Where a post addition is required, thorough mixing should be employed.

COMPATIBILITY

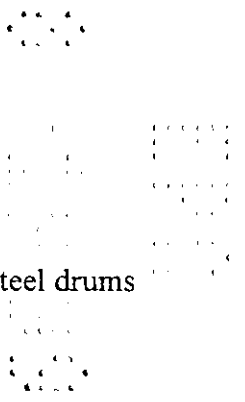
ACTICIDE® OIT is compatible with most raw materials used in microbiologically susceptible products. It causes no discoloration and may be used in formaldehyde sensitive systems.

AVAILABILITY

ACTICIDE® OIT is readily available in stock at all times.

PACKAGING

ACTICIDE® OIT is delivered in plastic drums containing 25 kg net and in polyethylene lined steel drums containing 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 Acti-Chem.

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

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STATEMENT OF PRACTICAL TREATMENT

KEEP OUT OF REACH OF CHILDREN. DANGER

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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.

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 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.

WARRANTY STATEMENT

The information contained herein is intended to be of assistance to users but is without guarantee. Suggestions for use neither give nor imply any freedom from patent infringement.

ACTI-CHEM SPECIALTIES, INC.
56 Quarry Road, Trumbull, CT 06611 USA TEL: (203) 365-6530 FAX: (203) 365-6537

