



## OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

April 1, 2024

Olivia Watson  
Regulatory Specialist  
Thor Specialties, Inc.  
Electronic Transmittal: [owatson@thorsp.com](mailto:owatson@thorsp.com)

**Subject:** Label Amendment – Basic formatting changes, removed use patterns, changes to the use pattern.  
Product Name: Acticide C 1-F  
EPA Registration Number: 67071-112  
Received Date: August 8<sup>th</sup>, 2022  
Action Case Number: 00384010

Dear Olivia Watson:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

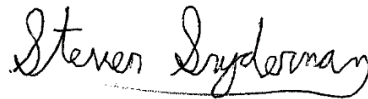
A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. Pursuant to 40 CFR 156.10(a)(6) you must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the Agency. See FIFRA section 2(p)(2). If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) lists examples of statements EPA may consider false or misleading. In addition,

regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process, FIFRA section 12(a)(1)(B). Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Assurance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Alexander Kliminsky by phone at (202) 566-0476, or via email at [Kliminsky.Alexander@epa.gov](mailto:Kliminsky.Alexander@epa.gov).

Sincerely,

A handwritten signature in black ink that reads "Steven Snyderman". The signature is written in a cursive style with a horizontal line underneath the name.

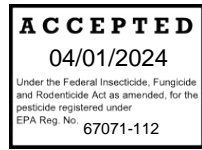
Steven Snyderman, Product Manager 33  
Regulatory Management Branch II  
Antimicrobials Division (7510M)  
Office of Pesticide Programs

Enclosure: Stamped Final Label

{All text in brackets [xxx] is optional and may or may not be intended on a final label.}  
{All text in braces {xxx} is administrative and will not appear on a final label.}

Label # 112-00 V002 – 28-JUL-2022

# ACTICIDE® C 1-F



## Precautionary Statements:

### Hazards to Humans and Domestic Animals

#### DANGER

CORROSIVE. CAUSES IRREVERSIBLE EYE DAMAGE. HARMFUL IF ABSORBED THROUGH SKIN. HARMFUL IF SWALLOWED. DO NOT GET IN EYES OR ON CLOTHING. AVOID CONTACT WITH SKIN. PROLONGED OR FREQUENTLY REPEATED SKIN CONTACT MAY CAUSE ALLERGIC REACTION IN SOME INDIVIDUALS. REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE. WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING AND BEFORE EATING, DRINKING, CHEWING GUM, USING TOBACCO, OR USING THE TOILET.

Mixers, loaders, and others exposed to product must wear the following Personal Protective Equipment (PPE):

- long-sleeve shirt and long pants
- chemical resistant gloves and apron
- shoes plus socks
- goggles or face shield.

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.

#### 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 public 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.

#### DIRECTIONS FOR USE

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

Industrial microbiocide for use in [\*]adhesives, [\*]tackifiers, [\*]dispersed pigments, [\*]building materials, [\*]polymer latices, [\*]paints and coatings, [\*]aqueous compositions, and in [\*]household consumer, industrial, janitorial products. READ AND FOLLOW THE DIRECTIONS FOR USE ON THE ACCOMPANYING INFORMATION SHEET.

*[\*Not approved for these uses in the State of California]*

#### ACTIVE INGREDIENTS:

5-Chloro-2-methyl-4-isothiazolin-3-one..... 1.11%

OTHER INGREDIENTS:..... 98.89%

TOTAL:..... 100.00%

## KEEP OUT OF REACH OF CHILDREN DANGER

See Side panel for additional precautionary statements

FIRST AID	
<b>If in Eyes:</b>	<ul style="list-style-type: none"> <li>➤Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>➤Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>➤Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on Skin:</b>	<ul style="list-style-type: none"> <li>➤Take off contaminated clothing.</li> <li>➤Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>➤Call a poison control center or doctor for treatment.</li> </ul>
<b>If Swallowed:</b>	<ul style="list-style-type: none"> <li>➤Call a poison control center or doctor immediately for treatment advice.</li> <li>➤Have person sip a glass of water if able to swallow.</li> <li>➤Do not induce vomiting unless told to do so by the poison control center or doctor.</li> </ul>
<b>If Inhaled:</b>	<ul style="list-style-type: none"> <li>➤Move person to fresh air.</li> <li>➤If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li> <li>➤Call a poison control center or doctor for further treatment advice</li> </ul>
Note to physician: Probable mucosal damage may contraindicate the use of gastric lavage.	
<b>For Transportation / Spill Emergency: Call Chemtrec at 1-800-424-9300</b>	

EPA Reg. No. 67071-112

EPA Est. No. 67071-DEU-001

Manufactured By/For:  
Thor GmbH  
D-67346 Speyer, Germany

U.S. Office:  
Thor Specialties, Inc.  
50 Waterview Drive, Shelton, CT 06484  
Tel. (203) 516-6980

#### PHYSICAL AND CHEMICAL HAZARD

This product is corrosive to mild steel.

## STORAGE AND DISPOSAL

This product (pH 3.0) is corrosive to mild steel.

**PESTICIDE STORAGE:** Do not store or transport in unlined metal containers. 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 waste 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

Non-refillable container. Do not reuse or refill this container. Triple rinse container promptly after emptying. Triple rinse as follows: [For containers < 5 gallons in size]

– Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. [For containers > 5 gallons in size] - Empty the remaining contents into application equipment or a mix tank.

Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times.

Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

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

#### CONDITIONS OF SALE AND WARRANTY

Thor 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 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 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 GMBH OR SELLER BE HELD LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE HANDLING, STORAGE OR USE OF THIS PRODUCT.

# UN 3265

**CORROSIVE LIQUID, ACIDIC,**

**ORGANIC, N.O.S. (5-Chloro-2-methyl-4-isothiazolin-3-one), 8, PG-II**

Batch:	Mfg Date:	Net Contents (pounds): (gallons):
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# ACTICIDE® C 1-F INFORMATION SHEET



**THIS ACTICIDE® C 1-F INFORMATION SHEET MUST ACCOMPANY EACH SHIPMENT OF ACTICIDE® C 1-F**

## DIRECTIONS FOR USE

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

ACTICIDE® C 1-F can be used as both a preservative (for raw materials and compounded / finished product) or as a knock-down biocide or in-process sterilant biocide. Depending on the nature or severity of microbial contamination, if analysis indicates a loss of active ingredient and further antimicrobial control is necessary, products or intermediates may be dosed with additional ACTICIDE® C 1-F at a level to ensure that the final use-dilution product will not exceed the maximum concentration indicated for the label-use category.

### **[\*]Industrial Process Wash Water**

ACTICIDE® C 1-F microbiocide is recommended for the control of bacteria and fungi in the storage of process wash waters.

*[\*Not approved for this use in the State of California]*

**0.05 – 0.30%**

0.5 – 3.0 LB per 1000 LB wash water  
(500 – 3000 ppm ACTICIDE® C 1-F)

### **[\*]Polymer dispersions / Latices / Solutions / Resins**

Includes polymer emulsions, latexes, dispersions, suspensions, solutions, resins and semi-solid compositions. This encompasses polymers based on synthetic monomers as well as natural monomers derived from biomass or biological synthesis.

ACTICIDE® C 1-F is recommended for the prevention of bacterial and fungal spoilage of liquid (aqueous) and semi-solid polymers during manufacture, transport and storage.

**Note:** To insure uniform mixing, add ACTICIDE® C 1-F microbiocide to latex or solutions 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.

*[\*Not approved for this use in the State of California]*

**0.05 – 0.33%**

0.5 – 3.3 LB per 1000 LB emulsion  
227g – 1.5 KG per 454 KG of emulsion  
(500 – 3300 ppm ACTICIDE® C 1-F)

### **[\*]Mineral Slurries and Aqueous Pigments**

ACTICIDE® C 1-F 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, dispersed colorants and kieselguhr used in paint and paper production.

*[\*Not approved for this use in the State of California]*

**0.06 – 0.225%**

0.6 – 2.25 LB per 1000 LB fluid  
250 – 1020 grams per 453 KG of fluid  
(600 – 2250 ppm ACTICIDE® C 1-F)

# ACTICIDE® C 1-F INFORMATION SHEET



**THIS ACTICIDE® C 1-F INFORMATION SHEET MUST ACCOMPANY EACH SHIPMENT  
OF ACTICIDE® C 1-F**

## **DIRECTIONS FOR USE**

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

<p><b>[*]Adhesives and Tackifiers</b></p> <p>ACTICIDE® C 1-F microbicide 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.</p> <p>ACTICIDE® C 1-F microbicide is recommended as a preservative for tackifiers derived from rosin and hydrocarbon resins.</p> <p>For storage at high temperatures and humidity, or for highly susceptible systems, use up to 0.3% (3.0 LB per 1000 LBS formulation).</p> <p>Not for food use.</p> <p><i>[*Not approved for this use in the State of California]</i></p>	<p><b>0.05 – 0.165%</b></p> <p>0.5 – 1.65 LB per 1000 LBS formulation (500 – 1650 ppm ACTICIDE® C 1-F)</p>
<p><b>[*]Building Materials</b></p> <p>ACTICIDE® C 1-F microbicide is recommended as an in-container preservative for the control of bacteria and fungi in building materials such as mastics, caulks, joint cements, spackling, grouting, and concrete admixtures.</p> <p><i>[*Not approved for this use in the State of California]</i></p>	<p><b>0.05 – 0.165%</b></p> <p>0.5 – 1.65 LB per 1000 LB of fluid (500 – 1650 ppm ACTICIDE® C 1-F)</p>
<p><b>[*]Paints and Coatings</b></p> <p>ACTICIDE® C 1-F microbicide is recommended as an in-container preservative for the control of bacteria and fungi in water-based coatings such as paper, wood coatings and paints used for architectural, product finishes and special purpose coatings.</p> <p>For storage during high temperatures and humidity or for highly susceptible systems.</p>	<p><b>0.05 – 0.165%</b></p> <p>0.5 – 1.65 LB per 1000 LB fluid 227 – 750 grams per 454 KG fluid (500 – 1650 ppm ACTICIDE® C 1-F)</p> <p><b>Up to 0.3%</b></p> <p>3.0 LB per 1000 LB fluid (3000 ppm ACTICIDE® C 1-F)</p>
<p>Specifically for a wood coating, ACTICIDE® C 1-F is recommended for the protection of wood and wood products such as landscape timbers, fences, posts, pilings, cross ties, decks and similar exterior structures, from mold and mildew. As a pressure treatment for mold and mildew control for southern yellow pine, hemlock, ponderosa pine and other soft woods. Thoroughly wet and allow to dry.</p> <p>Under extreme mildew conditions. Thoroughly wet and allow to dry.</p> <p><i>[*Not approved for this use in the State of California]</i></p>	<p>1.9 – 6.6 LB per 1000 GAL preservative (29 – 101 FL OZ per 1000 GAL) (267 – 840 ppm of ACTICIDE® C 1-F)</p> <p>13.25 – 26.5 LB per 1000 GAL wood treatment solution (1.6 – 3.2 GAL per 1000 GAL) (1600 – 3200 ppm of ACTICIDE® C 1-F)</p>

# ACTICIDE® C 1-F INFORMATION SHEET



**THIS ACTICIDE® C 1-F INFORMATION SHEET MUST ACCOMPANY EACH SHIPMENT  
OF ACTICIDE® C 1-F**

## **DIRECTIONS FOR USE**

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

### **Special purpose coating uses**

Use as a preservative for:

- [\*]Electrodeposition systems
- [\*]Photo/photoplate solutions or coatings
- [\*]Fount (or fountain) solutions used in the printing process as a maintenance fluid/coating and as a special coating for printing plates
- [\*]Spin finish coatings for fibers.

### **[\*]PHOTO/PHOTOPLATE PROCESSING, FOUNTAIN SOLUTIONS, AND INK/INK COMPONENTS**

ACTICIDE® C 1-F microbicide is recommended for the control of bacteria, fungi, and biofilms in photo/photoplate processing chemicals, stabilizing solutions, fountain solutions, printing inks and ink components. ACTICIDE® C 1-F is recommended for water-based printing inks such as flexographic, gravure, screen and ink jet types. ACTICIDE® C 1-F is recommended for the control of bacteria and fungi in printing ink components such as resins, plasticizers, water soluble dyes, pigments, gelling agents, waxes, surfactants, and thickeners.

**0.1 – 0.33%**  
**by weight of total formulation**  
(1000 – 300 ppm ACTICIDE® C 1-F)

### **CONCENTRATES:**

ACTICIDE® C 1-F should be added to concentrates at a level to ensure that the final use dilution of the product will contain 0.1 to 0.33% ACTICIDE® C 1-F.

To ensure uniform mixing add ACTICIDE® C 1-F microbicide to the product slowly with agitation. The actual concentration required will depend upon the specific substance to be treated, frequency of repeated contamination expected and level of protection required.

*[\*Not approved for this use in the State of California]*

### **[\*]ELECTRODEPOSITION**

ACTICIDE® C 1-F microbicide is recommended as a tankside additive for the control of bacteria, fungi, and algae in re-circulating electrodeposition systems and associated rinse systems. Alternately, ACTICIDE® C 1-F microbicide may be added through the components of the electrodeposition paint prior to their addition to the electrodeposition system.

# ACTICIDE® C 1-F INFORMATION SHEET



**THIS ACTICIDE® C 1-F INFORMATION SHEET MUST ACCOMPANY EACH SHIPMENT  
OF ACTICIDE® C 1-F**

## **DIRECTIONS FOR USE**

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

### Tankside Addition to Electrodeposition Systems:

ACTICIDE® C 1-F microbiocide should be dispensed into the recirculating rinse system, ultrafilter permeate, or final distilled rinse system at a point to insure uniform mixing.

When the system is noticeably fouled, add 650 to 2245 ppm ACTICIDE® C 1-F microbiocide (6.5 to 22.5 gallons per 10,000 gallons of fluid in the system). Repeat until control is achieved.

When microbial control is evident, add 320 to 1000 ppm ACTICIDE® C 1-F microbiocide (3.2 to 10 gallons per 10,000 gallons of fluid in the system) weekly or as needed to maintain the system.

A change of frequency of treatment may be required depending on the rate of dilution of the preservative with the makeup fluid, the nature and severity of contamination, level of control required, filtration effectiveness, system design, etc.

*[\*Not approved for this use in the State of California]*

### **[\*]Preservative for Aqueous Compositions**

ACTICIDE® C 1-F microbiocide is recommended for the control of bacteria and fungi in aqueous products used as raw materials intended for use in industrial, household/institutional and personal care products such as:

- [\*]fiber glass sizing solutions
- [\*]aqueous emulsions
- [\*]aqueous dispersions
- [\*]surfactants
- [\*]surface preparation compounds
- [\*]foam control products
- [\*]nutrient solutions
- [\*]specialty slurries (including fragrance slurries)
- [\*]pH adjusters
- [\*]rheology modifiers

#### **CONCENTRATES:**

ACTICIDE® C 1-F microbiocide should be added to concentrates at a level to ensure that the final use dilution of the product will contain 0.05 to 0.33% ACTICIDE® C 1-F.

*[\*Not approved for this use in the State of California]*

#### **0.05 – 0.33%**

0.5 – 3.3 LB per 1000 LB aqueous product  
227 g – 1.5 KG per 454 KG of aqueous product  
(500 – 3300 ppm ACTICIDE® C 1-F)

# ACTICIDE® C 1-F INFORMATION SHEET



**THIS ACTICIDE® C 1-F INFORMATION SHEET MUST ACCOMPANY EACH SHIPMENT  
OF ACTICIDE® C 1-F**

## **DIRECTIONS FOR USE**

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

### **[\*]Household Consumer, Industrial, Janitorial Products**

Not for direct or indirect food contact.

For the control of bacteria and fungi in liquid and solid soaps, liquid and solid cleaners, liquid and solid detergents, liquid and solid laundry products, liquid and solid dishwashing detergents, waxes, polishes, liquid and solid fabric treatment/refreshers products, liquid and solid air fresheners/deodorizers, car care products, and other similar cleaners.

ACTICIDE® C 1-F may also be used for the control of bacteria and fungi in package utility products such as pre-moistened sponges and mops.

**0.04 – 0.15%**

0.4 – 1.5 LB per 1000 LB product  
180 – 680 grams per 453.6 KG product  
(400 – 1500 ppm ACTICIDE® C 1-F)

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### **APPLICATION IN WIPES**

ACTICIDE® C 1-F may also be used for the control of bacteria and fungi in solutions that are then put into/onto wet wipes for use in industrial, commercial, residential and household uses cited above. This product is not for use in treating/preserving solutions that will be incorporated into personal care wipes, baby wipes, or food contact wipes.

For solutions incorporated into household wipes, do not exceed 0.10% ACTICIDE® C 1-F.

*[\*Not approved for this use in the State of California]*

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**0.04 – 0.10%**

0.4 – 1.0 LB per 1000 LB product  
180 – 454 grams per 453.6 KG product  
(400 – 1000 ppm ACTICIDE® C 1-F)

### **[\*]In-Container Preservative for Pesticide Formulations**

*ACTICIDE® C 1-F is to be used during the manufacturing process to maintain microbial control. Prior to filling the final finished product, the 5-Chloro-2-methyl-4-isothiazolin-3-one (CIT) must be deactivated.*

ACTICIDE® C 1-F microbiocide is recommended as an in-container preservative for the control of bacteria and fungi in aqueous pesticide formulations.

*[\*Not approved for this use in the State of California]*

**0.05 – 0.33%**

0.5 – 3.3 LB per 1000 LB aqueous product  
227 g – 1.5 KG per 454 KG of aqueous product  
(500 – 3300 ppm ACTICIDE® C 1-F)