



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

December 21, 2017

Cheryl Woodward  
Sr Regulatory Specialist  
Thor Specialties, Inc.  
50 Waterview Drive  
Shelton, CT 06484

Subject: Label Amendment – Clarification of existing uses  
Product Name: Acticide SPX  
EPA Registration Number: 67071-11  
Application Date: August 31, 2017  
Decision Number: 534513

Dear Ms. Woodward:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, 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. 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 the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. 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) list 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. 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 Compliance.

Page 2 of 2  
EPA Reg. No. 67071-11  
Decision No. 534513

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 Tara Flint by phone at 703-347-0398, or via email at [flint.tara@epa.gov](mailto:flint.tara@epa.gov).

Sincerely,



Zeno Bain, Product Manager 33  
Regulatory Management Branch I  
Antimicrobials Division (7510P)  
Office of Pesticide Programs

Enclosure

# ACTICIDE® SPX



### 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.

### PHYSICAL AND CHEMICAL HAZARD

This product is corrosive to mild steel.

### STORAGE AND DISPOSAL

This product (pH 3.5) 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.

Do not apply this product in a way that will contact workers or other persons.

**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. (mixture containing  
 5-Chloro-2-methyl-4-isothiazolin-3-one and 2-Methyl-4-isothiazolin-3-one (3:1)), 8,  
 PG-II**

### ACTIVE INGREDIENTS:

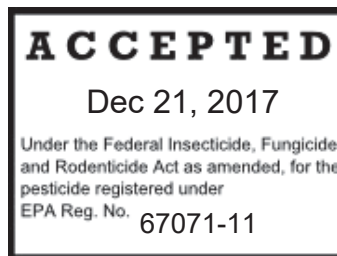
5-Chloro-2-methyl-4-isothiazolin-3-one.....1.11%  
 2-Methyl-4-isothiazolin-3-one.....0.37%  
**OTHER INGREDIENTS:**..... 98.52%  
**TOTAL:**..... 100.00%  
 ACTICIDE® SPX microbiocide weighs 8.6 lb. per gallon

## KEEP OUT OF REACH OF CHILDREN DANGER - PELIGRO

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 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 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 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>HOT LINE NUMBER:</b> In case of emergency, for additional information call toll free 1-800-424-9300. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	

**For Transportation / Spills Emergency:  
 Call Chemtrec at 1-800-424-9300**



### Precautionary Statements:

### Hazards to Humans and Domestic Animals DANGER

**CORROSIVE. CAUSES IRREVERSIBLE EYE DAMAGE. HARMFUL IF ABSORBED THROUGH SKIN. DO NOT GET IN EYES, ON SKIN 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.**

Mixers, loaders, and others exposed to methylisothiazolinone must wear:

- Long-sleeve shirt and long pants
- Socks and Shoes
- Goggles or face shield
- Chemical-resistant gloves (such as rubber or made out of any waterproof material)

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.

**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. Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate.

### 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 metal working fluids, \*metal cleaning fluids, \*hydraulic fluids, adhesives, tackifiers, paints, building materials, polymer latices, water treatment/process waters, \*aqueous compositions, dispersed pigments and in liquid household consumer, industrial, janitorial—products and semi-solid/solid household consumer, industrial, janitorial-products which are classified as indoor non-food and non-food applications. READ AND FOLLOW THE DIRECTIONS FOR USE ON THE ACCOMPANYING INFORMATION SHEET.

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

**EPA Reg. No. 67071-11 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 USA  
 Tel. (203) 516-6980

[OR:  
 Manufactured By: Thor Químicos de México SA de CV;  
 Autopista Mex-Qro Km 182; Pedro Escobedo,  
 Querétaro; México.

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

Batch:	Mfg Date:	Net Contents (pounds): (gallons):
--------	-----------	--------------------------------------



# ACTICIDE<sup>®</sup> SPX INFORMATION SHEET

**THIS ACTICIDE<sup>®</sup> SPX INFORMATION SHEET MUST ACCOMPANY EACH SHIPMENT  
OF ACTICIDE<sup>®</sup> SPX**

## DIRECTIONS FOR USE

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

Typical applications and suggested range of use concentrations based on total weight of product are as follows:

<p><b>PRESERVATIVE FOR METAL WORKING FLUIDS</b></p> <p>ACTICIDE<sup>®</sup> SPX microbiocide is recommended for the control of bacteria and fungi in aqueous metal working fluid solutions and emulsions.</p> <p>The preservative should be dispensed into the use dilution of the metal working fluid using a metering pump and uniformly dispersed throughout the system.</p> <p>For a noticeably fouled system use an initial dose of 64 to 160 fluid ounces (4.5 to 10 lb) per 1000 gallons of emulsion followed by subsequent maintenance dosage. 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.</p>	<p><b>32 FL OZ (2 LB) per 1000 GAL of emulsion every 4 weeks</b></p>
<p><b>PRESERVATIVE FOR ADHESIVES AND TACKIFIERS</b></p> <p>ACTICIDE<sup>®</sup> SPX 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.</p> <p>ACTICIDE<sup>®</sup> SPX microbiocide is recommended as a preservative for tackifiers derived from rosin and hydrocarbon resins.</p> <p>For storage during extremely high temperatures and humidity, use up to 0.3% (3.0 lb per 1000 lbs formulation).</p>	<p><b>0.05 – 0.165%</b></p> <p>0.5 – 1.65 LB per 1000 LBS formulation</p>
<p><b>PRESERVATIVE FOR BUILDING MATERIALS</b></p> <p>ACTICIDE<sup>®</sup> SPX 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, grouting, and concrete admixtures.</p>	<p><b>0.05 – 0.165%</b></p> <p>0.5 – 1.65 LB per 1000 LB of fluid</p>



# ACTICIDE® SPX INFORMATION SHEET

**THIS ACTICIDE® SPX INFORMATION SHEET MUST ACCOMPANY EACH SHIPMENT  
OF ACTICIDE® SPX**

## DIRECTIONS FOR USE

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

### PRESERVATIVE FOR LATICES

ACTICIDE® SPX 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.

Note: To insure uniform mixing, add ACTICIDE® SPX 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.

**0.05 – 0.33%**

0.5 – 3.3 LB per 1000 LB  
emulsion  
227g – 1.5 KG per 454 KG of  
emulsion

### PRESERVATIVE FOR PAINTS AND COATINGS

ACTICIDE® SPX microbiocide 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.

A higher dosage rate may be required for storage during extremely high temperatures and humidity.

**0.05 – 0.165%**

0.5 – 1.65 LB per 1000 LB fluid  
227 – 750 grams per 454 KG  
fluid

**Up to 0.3%**

3.0 LB per 1000 LB fluid

---

#### \*Special purpose coating uses

Use as a preservative for:

- Electrodeposition paints or solutions
- Photoplatin 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.

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

The application/addition directions for these special purpose coating uses are:



# ACTICIDE<sup>®</sup> SPX INFORMATION SHEET

**THIS ACTICIDE<sup>®</sup> SPX INFORMATION SHEET MUST ACCOMPANY EACH SHIPMENT  
OF ACTICIDE<sup>®</sup> SPX**

## **DIRECTIONS FOR USE**

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

### **\*ELECTRODEPOSITION**

ACTICIDE<sup>®</sup> SPX microbiocide 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<sup>®</sup> SPX microbiocide may be added through the components of the electrodeposition paint prior to their addition to the electrodeposition system.

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

#### **\*Tankside Addition to Electrodeposition Systems:**

ACTICIDE<sup>®</sup> SPX 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<sup>®</sup> SPX microbiocide (6.4 to 22.9 gallons per 10,000 gallons of fluid in the system). Repeat until control is achieved.

When microbial control is evident, add 321 to 962 ppm ACTICIDE<sup>®</sup> SPX microbiocide (3.2 to 10.1 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*

### **\*TREATMENT OF ELECTRODEPOSITION PAINT COMPONENTS**

#### **Initial Dose of Paint Components:**

ACTICIDE<sup>®</sup> SPX microbiocide should be added to the resin, pigment, or other component of the electrodeposition paint at a level to ensure that the final use-dilution fluid will contain 321 to 2245 ppm product.

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

#### **\*Supplemental Tanked Dosing of Electrodeposition System:**

If additional microbial control is necessary, ACTICIDE<sup>®</sup> SPX microbiocide may be added to the electrodeposition system tankside to supplement the microbiocide incorporated through paint components.

If the system becomes noticeably fouled, add 650 to 2245 ppm ACTICIDE<sup>®</sup> SPX microbiocide (6.4 to 22.9 gallons per 10,000 gallons of fluid in the system). Repeat until control is achieved.

When microbial control is evident, the system can be maintained by addition of 321 to 962 ppm ACTICIDE<sup>®</sup> SPX microbiocide (3.2 to 10.1 gallons per 10,000 gallons of fluid in the system) weekly or as needed.

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

**NOTE:** Regardless of the manner of incorporation, the total level in the system should never exceed 2245 ppm ACTICIDE<sup>®</sup> SPX or 22.9 gallons per 10,000 gallons of system fluid.



# ACTICIDE® SPX INFORMATION SHEET

**THIS ACTICIDE® SPX INFORMATION SHEET MUST ACCOMPANY EACH SHIPMENT  
OF ACTICIDE® SPX**

## DIRECTIONS FOR USE

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

\*INK/INK COMPONENTS, \*PHOTOPLATE PROCESSING/PHOTO PROCESSING, and \*FOUNTAIN SOLUTIONS:

ACTICIDE® SPX microbiocide is recommended for the control of bacteria and fungi in photoplate processing such as stabilizer solutions and in fountain solutions. ACTICIDE® SPX is recommended for water-based printing inks such as flexographic, gravure, screen and ink jet types. ACTICIDE® SPX 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.

ACTICIDE® SPX should be added to achieve the recommended dosage range for ink, ink components, fountain solutions and photoplate processing chemical of 0.1 to 1.0% on a total weight basis. The optimum level range for acidic fountain solutions is 0.2% to 0.5%; the optimum level range for neutral fountain solutions is 0.5% to 0.8%. A level adjustment may be necessary to accommodate the slight change in solution formulations.

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

NOTE: To insure uniform mixing, add ACTICIDE® SPX 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.

### INDUSTRIAL RECIRCULATING WATER COOLING TOWER

ACTICIDE® SPX microbiocide is recommended for the control of bacteria, algae and fungi. It should be added to the tower basin or some other point to ensure uniform mixing.

For noticeably fouled systems use an initial dose of 1.25 – 7.5 lb ACTICIDE® SPX per 1000 gallons of water. Repeat if necessary to achieve control.

**0.03 – 0.186%**  
0.3 – 1.86 LB per 1000 gallons  
water  
35 – 220 ppm ACTICIDE® SPX

### AIR WASHER SYSTEMS

For use only in industrial air washing systems that maintain effective mist eliminating components. Add to water 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.

**0.03 – 0.75%**  
0.3 – 7.5 LB per 1000 gallons  
water  
35 – 886 ppm ACTICIDE® SPX





# ACTICIDE<sup>®</sup> SPX INFORMATION SHEET

**THIS ACTICIDE<sup>®</sup> SPX INFORMATION SHEET MUST ACCOMPANY EACH SHIPMENT  
OF ACTICIDE<sup>®</sup> SPX**

## DIRECTIONS FOR USE

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

<b>OIL FIELD INJECTION WATERS</b> 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 57 – 115 lb ACTICIDE <sup>®</sup> SPX per 1000 barrels of water (162 – 324 ppm ACTICIDE <sup>®</sup> SPX) may be used until control is achieved. This product may be used for terrestrial and off-shore oil drilling muds and packer fluids.	<b>23 – 58 LB (2.8 – 6.9 GAL) per 1000 barrels water</b> 66 – 165 ppm ACTICIDE <sup>®</sup> SPX
<b>*PAPER MILLS</b> For the control of bacterial and fungal slime in the production of paper. ACTICIDE <sup>®</sup> SPX should be added to a point such as the Beater or Hydropulper to ensure uniform mixing. <i>*Not approved for this use in the State of California</i>	<b>0.45 – 1.5 LB of ACTICIDE<sup>®</sup> SPX per ton</b> (dry basis) of pulp or paper produced as slug dose
<b>INDUSTRIAL RECIRCULATING CLOSED LOOP WATER COOLING SYSTEMS</b> To maintain control of bacteria, fungi and algae, add in the reservoir, recirculating line or some other point to ensure uniform mixing. For noticeably fouled systems an initial treatment with 1.25 – 7.5 lb ACTICIDE <sup>®</sup> SPX per 1000 gallons of water may be needed depending on the severity of the fouling.	<b>0.3 – 1.86 LB per 1000 GAL of water weekly</b>
<b>*BREWERY PASTEURIZERS AND CAN WARMER SYSTEMS</b> To maintain control of bacteria, algae and fungi. For noticeably fouled systems an initial treatment with 1.25 – 7.5 lb of ACTICIDE <sup>®</sup> SPX per 1000 gallons of water may be needed depending on the severity of the fouling. <i>*Not approved for this use in the State of California</i>	<b>0.3 – 1.86 LB per 1000 GAL of water weekly or as needed</b>





# ACTICIDE® SPX INFORMATION SHEET

**THIS ACTICIDE® SPX INFORMATION SHEET MUST ACCOMPANY EACH SHIPMENT  
OF ACTICIDE® SPX**

## DIRECTIONS FOR USE

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

<p><b>*ULTRA FILTRATION UNITS, such as REVERSE OSMOSIS SYSTEMS</b></p> <p>ACTICIDE® SPX microbiocide is recommended for the control of bacteria and fungi in ultra filtration units, such as reverse osmosis systems.</p> <p>Add into industrial ultra filtration or reverse osmosis systems by either continuous feed or periodic injection. Compatibility of ACTICIDE® SPX microbiocide with reverse osmosis membranes should be confirmed with membrane manufacturers.</p> <p>-----</p> <p>For the control of bacteria and fungi in carbon beds.</p> <p>-----</p> <p>For periodic membrane cleaning. Badly fouled systems should be cleaned before treatment is begun.</p> <p><i>*Not approved for this use in the State of California</i></p>	<p><b>10 – 333 ppm ACTICIDE® SPX</b></p> <p>-----</p> <p><b>10 – 333 ppm ACTICIDE® SPX</b></p> <p>-----</p> <p><b>0.4 – 1.0 LB per 120 GAL of cleaning solution</b></p>
<p><b>*INDUSTRIAL PROCESS WASH WATER</b></p> <p>ACTICIDE® SPX microbiocide is recommended for the control of bacteria and fungi in the storage of process wash waters.</p> <p><i>*Not approved for this use in the State of California</i></p>	<p><b>0.05 – 0.30%</b> 0.5 – 3.0 LB per 1000 LB wash water</p>
<p><b>*PRESERVATIVE FOR AQUEOUS COMPOSITIONS</b></p> <p>ACTICIDE® SPX microbiocide is recommended as an in-container preservative for the control of bacteria and fungi in aqueous products such as aqueous emulsions and dispersions including:</p> <ul style="list-style-type: none"><li>*surfactants</li><li>*stabilized oil/water emulsions</li><li>*surface preparation compounds</li><li>*foam control products</li><li>*nutrient solutions</li><li>*pesticide formulations.</li></ul> <p>CONCENTRATES: ACTICIDE® SPX microbiocide may be added to those products formulated as concentrates which are in turn diluted for use at a level to ensure that the final use-dilution product will contain between 0.05 and 0.33% ACTICIDE® SPX microbiocide.</p> <p><i>*Not approved for this use in the State of California</i></p>	<p><b>0.05 – 0.33%</b> 0.5 – 3.3 LB per 1000 LB aqueous product 227 g – 1.5 KG per 454 KG of aqueous product</p>



# ACTICIDE® SPX INFORMATION SHEET

**THIS ACTICIDE® SPX INFORMATION SHEET MUST ACCOMPANY EACH SHIPMENT  
OF ACTICIDE® SPX**

## DIRECTIONS FOR USE

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

### **LIQUID HOUSEHOLD CONSUMER, INDUSTRIAL, JANITORIAL PRODUCTS**

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

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

#### **CONCENTRATES:**

ACTICIDE® SPX-F microbiocide may be added to those products formulated as concentrates which are in turn diluted for use at a level to ensure that the final use-dilution product will contain between 0.04 and 0.15% ACTICIDE® SPX-F microbiocide.

#### **APPLICATIONS IN WIPES**

ACTICIDE® SPX 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® SPX-F.

#### **Not for use in aerosol applications**

#### **APPLICATION IN NON-AEROSOL SPRAYS**

For non-aerosol sprays, do not exceed 0.10% ACTICIDE® SPX-F.

#### **0.04 – 0.15%**

0.4 – 1.5 LB per 1000 LB  
product  
180 – 680 grams per 453.6 KG  
product

#### **0.04 – 0.10%**

0.4 – 1.0 LB per 1000 LB  
product  
180 – 454 grams per 453.6 KG  
product



# ACTICIDE® SPX INFORMATION SHEET

**THIS ACTICIDE® SPX INFORMATION SHEET MUST ACCOMPANY EACH SHIPMENT  
OF ACTICIDE® SPX**

## DIRECTIONS FOR USE

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

### **SEMI-SOLID/SOLID HOUSEHOLD CONSUMER, INDUSTRIAL, JANITORIAL PRODUCTS**

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

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

#### **CONCENTRATES:**

ACTICIDE® SPX-F microbiocide may be added to those products formulated as concentrates which are in turn diluted for use at a level to ensure that the final use-dilution product will contain between 0.04 and 0.15% ACTICIDE® SPX-F microbiocide.

#### **APPLICATIONS IN WIPES**

ACTICIDE® SPX 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® SPX-F.

#### **Not for use in aerosol applications**

#### **APPLICATIONS IN NON-AEROSOL SPRAYS**

For non-aerosol sprays, do not exceed 0.10% ACTICIDE® SPX-F.

#### **0.04 – 0.15%**

0.4 – 1.5 LB per 1000 LB product  
180 – 680 grams per 453.6 KG product

#### **0.04 – 0.10%**

0.4 – 1.0 LB per 1000 LB product  
180 – 454 grams per 453.6 KG product

### **DISPERSED PIGMENT PRESERVATION**

ACTICIDE® SPX 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.

#### **0.06 – 0.225%**

0.6 – 2.25 LB per 1000 LB fluid  
250 – 1020 grams per 453 KG of fluid