

67071-11

3/12/2014

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

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

MAR 12 2014

Subject: Acticide SPX
EPA Reg. No. 67071-11
Amendment Application Date: September 6, 2013
EPA Received Date: September 17, 2013

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), Section 3(c)(5), is acceptable. The agency has no objection to the addition of previously approved uses from May 2012. A stamped copy of the label is enclosed for your records.

If you have any questions concerning this letter, please contact Amaris Johnson at (703) 305-9542.

Sincerely,

A handwritten signature in black ink that reads "M. Swindell".

Marshall Swindell
Product Manager (33)
Regulatory Management Branch I
Antimicrobials Division (7510P)

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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.

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

PRESERVATIVE FOR METAL WORKING FLUIDS

ACTICIDE[®] SPX microbiocide is recommended for the control of bacteria and fungi in aqueous metal working fluid solutions and emulsions.

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

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.

32 FL OZ (2 LB) per 1000 GAL of emulsion every 4 weeks

PRESERVATIVE FOR ADHESIVES AND TACKIFIERS

ACTICIDE[®] 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.

ACTICIDE[®] SPX microbiocide is recommended as a preservative for tackifiers derived from rosin and hydrocarbon resins.

For storage during extremely high temperatures and humidity, use up to 0.3% (3.0 lb per 1000 lbs formulation).

0.05 – 0.165%

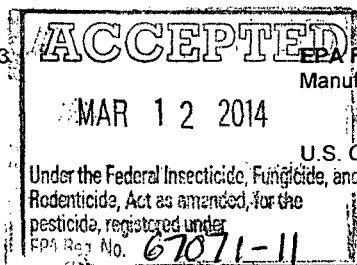
0.5 – 1.65 LB per 1000 LBS formulation

PRESERVATIVE FOR BUILDING MATERIALS

ACTICIDE[®] 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.

0.05 – 0.165%

0.5 – 1.65 LB per 1000 LB of fluid



EPA Reg. No. 67071-11

Manufactured By/For: Thor GmbH

D-67346 Speyer, Germany
Tel. (06232) 6360

U.S. Office:

Thor Specialties, Inc.
50 Waterview Drive, Shelton, CT
06484 USA
Tel. (203) 516-6980

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 67071-11

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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
- Plating 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:

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*ELECTRODEPOSITION

ACTICIDE® 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® 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® 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® 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® 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® 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:

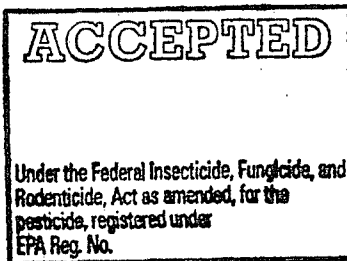
If additional microbial control is necessary, ACTICIDE® SPX microbiocide may be added to the electrodeposition system tankside to supplement the microbiocide incorporated through paint components.

If the system becomes noticeably fouled, add 650 to 2245 ppm ACTICIDE® 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® 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® SPX or 22.9 gallons per 10,000 gallons of system fluid.



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***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

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

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*ULTRA FILTRATION UNITS, such as REVERSE OSMOSIS SYSTEMS

ACTICIDE[®] SPX microbicide is recommended for the control of bacteria and fungi in ultra filtration units, such as reverse osmosis systems.

10 – 333 ppm ACTICIDE[®] SPX

Add into industrial ultra filtration or reverse osmosis systems by either continuous feed or periodic injection. Compatibility of ACTICIDE[®] SPX microbicide with reverse osmosis membranes should be confirmed with membrane manufacturers.

For the control of bacteria and fungi in carbon beds.

10 – 333 ppm ACTICIDE[®] SPX

For periodic membrane cleaning.

0.4 – 1.0 LB per 120 GAL of cleaning solution

Badly fouled systems should be cleaned before treatment is begun.

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

*INDUSTRIAL PROCESS WASH WATER

ACTICIDE[®] SPX microbicide is recommended for the control of bacteria and fungi in the storage of process wash waters.

0.05 – 0.30%
0.5 – 3.0 LB per 1000 LB wash water

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

*PRESERVATIVE FOR AQUEOUS COMPOSITIONS

ACTICIDE[®] SPX microbicide is recommended as an in-container preservative for the control of bacteria and fungi in aqueous products such as aqueous emulsions and dispersions including:

0.05 – 0.33%
0.5 – 3.3 LB per 1000 LB aqueous product
227 g – 1.5 KG per 434 KG of aqueous product

- *surfactants
- *stabilized oil/water emulsions
- *surface preparation compounds
- *foam control products
- *nutrient solutions
- *pesticide formulations.

CONCENTRATES:

ACTICIDE[®] SPX microbicide 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 microbicide.

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

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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.

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.

Wet wipes containing a solution preserved with this product may not be used for personal care, as baby wipes, or for food contact.

CONCENTRATES:

ACTICIDE[®] SPX microbicide 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 microbicide.

0.04 – 0.15%

0.4 – 1.5 LB per 1000 LB product

180 – 680 grams per 453.6 KG product

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/refreshers 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.

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.

Wet wipes containing a solution preserved with this product may not be used for personal care, as baby wipes, or for food contact.

0.04 – 0.15%

0.4 – 1.5 LB per 1000 LB product

180 – 680 grams per 453.6 KG product

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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 0.04 and 0.15% ACTICIDE[®] SPX microbiocide.

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