



**ENVIRONMENTAL HAZARDS:** This pesticide is toxic to fish and wildlife. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other 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 treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

**PHYSICAL AND CHEMICAL HAZARD:**

This product (pH 3.12) is corrosive to mild steel.

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

**PESTICIDE STORAGE:** Keep container tightly closed. Protect from freezing. Store in a dry place. Do not store at elevated temperatures.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous and/or toxic. 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**

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.

# ACTICIDE® LA 1209

**ACTIVE INGREDIENTS:**

2-Bromo-2-nitropropane-1, 3-diol.....	8.80%
5-Chloro-2-methyl-4-isothiazolin-3-one.....	0.85%
2-Methyl-4-isothiazolin-3-one.....	0.28%

**INERT INGREDIENTS:**

TOTAL:	90.07%
	100.00%

## KEEP OUT OF REACH OF CHILDREN DANGER

See Side panel for additional precautionary statements

FIRST AID
<p><b>If in Eyes:</b></p> <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>
<p><b>If Swallowed:</b></p> <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>
<p><b>If on Skin:</b></p> <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>
<p><b>If Inhaled:</b></p> <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>
<p><b>Note to physician:</b> Probable mucosal damage may contraindicate the use of gastric lavage.</p>
<p><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.</p>

**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))**

## Precautionary Statements: Hazards to Humans and Domestic Animals DANGER

**CORROSIVE. CAUSES IRREVERSIBLE EYE DAMAGE OR SKIN BURNS.** May be fatal if inhaled. Harmful if swallowed or absorbed through skin. Do not get in eyes, on skin, or on clothing. Do not breathe spray mist. Wear a minimum of a NIOSH approved particulate filtering facepiece respirator with any N, R, or P filter; OR a NIOSH approved elastomeric particulate respirator with any N, R, or P filter; OR a NIOSH approved powered purifying respirator with HE filters. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Remove and wash contaminated clothing before reuse.

Personal Protective Equipment (PPE):

Users must wear:

- Coveralls over long-sleeved shirt and long pants
- Socks and chemical resistant footwear
- Chemical-resistant gloves (such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride, or viton)
- Goggles or face shield and Chemical-resistant apron

**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.

### 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, paints, coatings, building materials, polymer latices, printing inks, and \*aqueous compositions, \*fiberglass sizing solutions, dispersed pigments, household consumer, industrial, janitorial products.

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

### READ AND FOLLOW THE DIRECTIONS FOR USE ON THE ACCOMPANYING INFORMATION SHEET.

**EPA Reg. No. 67071-16 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

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

# UN 3265,

Batch:

Mfg Date:

Net Contents (pounds):  
(gallons):

# ACTICIDE® LA 1209

## INFORMATION SHEET



**THIS ACTICIDE® LA 1209 INFORMATION SHEET MUST ACCOMPANY EACH SHIPMENT OF ACTICIDE® LA 1209**

### DIRECTIONS FOR USE

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

#### **PRESERVATIVE FOR ADHESIVES AND \*TACKIFIERS:**

ACTICIDE® LA 1209 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. \*ACTICIDE® LA 1209 microbicide is recommended as a preservative for tackifiers derived from rosin and hydrocarbon resins.

A higher dosage rate providing up to 33 ppm isothiazolones and 264 ppm bronopol may be required where extended storage time is required or under conditions of high temperatures and/or humidity.

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

#### **0.05% – 0.20%**

Add 0.5 – 2.0 lbs. per 1000 lbs. of fluid to provide 6 – 23 ppm isothiazolones and 44 – 176 ppm bronopol.

#### **PRESERVATIVE FOR BUILDING MATERIALS:**

ACTICIDE® LA 1209 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 and grouting.

#### **0.05% – 0.20%**

Add 0.5 – 2.0 lbs. per 1000 lbs. of fluid to provide 6 – 23 ppm isothiazolones and 44 – 176 ppm bronopol.

#### **PRESERVATIVE FOR LATICES:**

ACTICIDE® LA 1209 microbicide 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.

#### **0.05% – 0.30%**

Add 0.5 – 3.0 lbs. per 1000 lbs. of emulsion to provide 6 – 33 ppm isothiazolones and 44 – 264 ppm bronopol.

#### **PRESERVATIVE FOR PAINTS AND COATINGS:**

ACTICIDE® LA 1209 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 (including paint wash solutions) used for architectural, product finishes and special purpose coatings.

A higher dosage rate providing up to 33 ppm isothiazolones and 264 ppm bronopol may be required for storage during extremely high temperatures and humidity.

***\*PAINTS AND COATINGS CONCENTRATES:***

**Note:** Ensure that the final use-dilution product to be sold to consumers does not contain more than 33 ppm isothiazolones and 264 ppm bronopol.

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

#### **0.05% - 0.20%**

Add 0.5 – 2.0 lbs. per 1000 lbs. of fluid to provide 6 – 23 ppm isothiazolones and 44 – 176 ppm bronopol.

#### **0.05% – 6.0%**

Add 0.5 – 60.0 lbs. per 1000 lbs. of fluid to provide 5.5 – 660 ppm isothiazolones and 44 – 5280 ppm bronopol to concentrates of paints and coatings.

# ACTICIDE® LA 1209

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**Special Purpose Coating Uses:** Include use as a preservative for:

- electrodeposition paints or solutions
- photoplatting 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.

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

**Electrodeposition:** ACTICIDE® LA 1209 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® LA 1209 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® LA 1209 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 640 to 2400 ppm ACTICIDE® LA 1209 microbiocide (6.4 to 24 gallons per 10,000 gallons of fluid in the system). Repeat until control is achieved. When microbial control is evident, add 320 to 1055 ppm ACTICIDE® LA 1209 (3.2 to 10.55 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.

**Treatment of Electrodeposition Paint Components:**

**Initial Dose of Paint Components:** ACTICIDE® LA 1209 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 320 to 2400 ppm product.

**Supplemental Tanked Dosing of Electrodeposition System:** If additional microbial control is necessary, ACTICIDE® LA 1209 microbiocide may be added to the electrodeposition system tankside to supplement the microbiocide incorporated through paint components. If the system becomes noticeably fouled, add 640 to 2400 ppm ACTICIDE® LA 1209 microbiocide (6.4 to 24 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 320 to 1055 ppm. ACTICIDE® LA 1209 microbiocide (3.2 to 10.55 gallons per 10,000 gallons of fluid in the system) weekly or as needed.

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#### **Ink/Ink Components, \*Photoplate Processing, and \*Fountain Solutions:**

ACTICIDE® LA 1209 microbiocide is recommended for the control of bacteria and fungi in \*photoplate processing such as stabilizer solutions and in \*fountain solutions. ACTICIDE® LA 1209 microbiocide is recommended for water-based printing inks such as flexographic, gravure, screen and ink jet types. ACTICIDE® LA 1209 microbiocide 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® LA 1209 microbiocide should be added to achieve the recommended dosage range for ink, ink components, \*fountain solutions and \*photoplate processing chemicals of 0.1% to 1.0% on a total weight basis. A level adjustment may be necessary to accommodate the slight change in solution formulations.

ACTICIDE® LA 1209 may be added to products formulated as concentrates which are in turn diluted for use at a level to ensure that the final use-dilution product will contain no more than 1.0% ACTICIDE® LA 1209.

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

#### **PRESERVATIVE FOR AQUEOUS COMPOSITIONS:**

ACTICIDE® LA 1209 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:

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

##### **CONCENTRATES:**

ACTICIDE® LA 1209 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% to 0.30% ACTICIDE® LA 1209 microbiocide.

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

**0.05% – 0.30%**

Add 0.5 – 3.0 lbs. per 1000 lbs. of composition to provide 6 – 33 ppm isothiazolones and 44 – 264 ppm bronopol.

#### **\*FIBERGLASS SIZING SOLUTIONS:**

ACTICIDE® LA 1209 microbiocide is recommended as an in-container preservative for the control of bacteria and fungi in fiberglass sizing solutions.

##### **CONCENTRATES:**

ACTICIDE® LA 1209 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% to 0.30% ACTICIDE® LA 1209 microbiocide.

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

**0.05% - 0.30%**

Add 0.5 – 3.0 lbs. per 1000 lbs. of composition to provide 6 – 33 ppm isothiazolones and 44 – 264 ppm bronopol.

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#### HOUSEHOLD CONSUMER, INDUSTRIAL, JANITORIAL PRODUCTS:

ACTICIDE® LA 1209 is recommended 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® LA 1209 may also be used for control of bacteria and fungi in package utility products such as pre-moistened sponges and mops.

A higher dosage rate providing up to 33 ppm isothiazolones and 264 ppm bronopol may be required as a kill-dose or for storage during extremely high temperatures and humidity.

#### CONCENTRATES:

ACTICIDE® LA 1209 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% to 0.25% ACTICIDE® LA 1209 microbiocide.

#### APPLICATION IN WIPES

ACTICIDE® LA 1209 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 wet wipes, baby wipes, or food contact wipes.

For solutions incorporated into household wipes, do not exceed 0.13% ACTICIDE® LA 1209.

**Not for use in aerosol applications.**

#### APPLICATION IN NON-AEROSOL SPRAYS

For non-aerosol sprays, do not exceed 0.13% ACTICIDE® LA 1209.

#### 0.05% – 0.25 %

Add 0.5 – 2.5 lbs. per 1000 lbs. of product to be protected to provide 6 – 28 ppm of isothiazolones and 44 – 220 ppm bronopol.

#### 0.05% – 0.13%

Add 0.5 – 1.3 lbs. per 1000 lbs. of fluid to provide 6 – 15 ppm isothiazolones and 44 – 114 ppm bronopol.

#### DISPERSED PIGMENT:

ACTICIDE® LA 1209 microbiocide is recommended for the control of bacteria and fungi in the manufacture and storage of dispersions/emulsions/solutions/suspensions such as kaolin clay, montmorillonite clay, titanium dioxide, calcium carbonate, calcium sulfate, barium sulfate, magnesium silicate and kieselguhr used in paint and paper productions.

**NOTE:** To insure uniform mixing, add ACTICIDE® LA 1209 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.

#### 0.05% – 0.30%

Add 0.50 – 3.0 lbs. per 1000 lbs. of fluid to provide 6 – 33 ppm isothiazolones and 44 – 264 ppm bronopol.

ACTICIDE® LA 1209 microbiocide weighs 8.8 lb per gallon.