**ACTICIDE® LA 1209**

**ACTIVE INGREDIENTS:**
- 2-Bromo-2-nitropropane-1, 3-diol .......................... 8.80%
- 5-Chloro-2-methyl-4-isoazolin-3-one ....................... 0.85%
- 2-Methyl-4-isoazolin-3-one ................................ 9.28%

**INERT INGREDIENTS:** ........................................ 90.00%

**TOTAL:.................................................................... 100.00%**

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

See Side panel for additional precautionary statements

**FIRST AID**

**If In Eyes:**
- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.

**If Swallowed:**
- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by the poison control center or doctor.

**If on Skin:**
- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment.

**If Inhaled:**
- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.
- Call a poison control center or doctor for further treatment advice

**Note to physician:** Probable mucosal damage may contraindicate the use of gastric lavage.

**HOT LINE NUMBER:** 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.

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**Precautionary Statements:**

**Hazards to Humans and Domestic Animals**

**DANGER**

CORROSIVE. CAUSES IRREVERSIBLE EYE DAMAGE OR SKIN BURNS. Fatal if swallowed or absorbed through skin or inhaled. Do not get in eyes, on skin, or on clothing. Do not breathe spray mist. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Remove contaminated clothing and wash before reuse.

**Personal Protective Equipment (PPE):**
- Applicants and all other handlers 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
  - 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 use of pesticides for use in adhesives, *stuckifiers*, paints, coatings, building materials, polymer latexes, printing inks, and aqueous compositions, *dispersed pigments, household, 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-6346 Sprey, Germany
Tel. (06223) 6380

U.S. Office: Thor Specialties, Inc.
50 Waterview Drive, Shelton, CT 06484
Tel. (203) 516-6880

**CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S mixtures containing 5-Chloro-2-methyl-4-isoazolin-3-one and 2-Methyl-4-isoazolin-3-one [3(1)] 8, UN 3265, PG-III**

**For Transportation / Spill Emergency:**

Call Chemtrec at 1-800-424-9300

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**Batch:**

**Mfg Date:**

**Net Contents (pounds):**
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 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® LA 1209 microbiocide is recommended as a preservative for tackifiers derived from resin and hydrocarbon resins.

Add 0.5 to 2.0 lb ACTICIDE® LA 1209 microbiocide to each 1000 lb of fluid to provide 6 ppm to 23 ppm isothiazolones and 44 to 176 ppm bronopol. 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

PRESERVATIVE FOR BUILDING MATERIALS:
ACTICIDE® LA 1209 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 and grouting.

Add 0.5 to 2.0 lb of ACTICIDE® LA 1209 microbiocide to each 1000 lb of fluid to provide 6 ppm to 23 ppm isothiazolones and 44 to 176 ppm bronopol.

PRESERVATIVE FOR LATICES:
ACTICIDE® LA 1209 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.

Add 0.5 to 3.0 lb of ACTICIDE® LA 1209 microbiocide to each 1000 lb of emulsion to provide 6 ppm to 33 ppm active isothiazolones and 44 to 264 ppm bronopol.

PRESERVATIVE FOR PAINTS AND COATINGS:
ACTICIDE® LA 1209 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 *(including paint wash solutions) used for architectural, product finishes and special purpose coatings.

Add 0.5 to 2.0 lb ACTICIDE® LA 1209 microbiocide to each 1000 lb of fluid to provide 6 ppm to 23 ppm isothiazolones and 44 to 176 ppm bronopol. 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: Add 0.5 to 60.0 lb ACTICIDE® LA 1209 microbiocide to each 1000 lb of fluid to provide 5.5 ppm to 660 ppm isothiazolones and 44 ppm to 5280 ppm bronopol to concentrates of paints and coatings. 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
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*Special Purpose Coating Uses: Include use as a: <> preservative for electrodeposition paints or solutions, <> preservative for photoplatting solutions or coatings, <> preservative in fount (or fountain) solutions used in the printing process as a maintenance fluid/coating and as a special coating for printing plates, and <> preservative in spin finish coatings for fibers. * Not approved for this use in the State of California.

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.

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

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

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

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EPA Reg. No. 67071-16
Manufactured By/For: Thor GmbH
D-67348 Speyer, Germany
Tel. (06232) 6360

U.S. Office: Thor Specialties, Inc.
50 Waterview Drive, Shelton,
CT 06484 USA
Tel. (203) 516-6980
ACTICIDE® LA 1209
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DIRECTIONS FOR USE

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*Photoplate Processing, Fountain Solutions, And Ink/Ink Components: 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, waves, 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 stabilized oil/water emulsions, surface preparation compounds, foam control products, nutrient solutions, fiberglass sizing solutions and pesticide formulations.

Add 0.5 to 3.0 lb of ACTICIDE® LA 1209 microbiocide to each 1000 lb of composition to provide 6 ppm to 33 ppm active isothiazoliones and 44 to 264 ppm bronopol. * Not approved for this use in the State of California

HOUSEHOLD CONSUMER, INDUSTRIAL, JANITORIAL PRODUCTS:

ACTICIDE® LA 1209 is added at a level of 0.5 to 2.5 lb. to each 1000lb. of product (0.05 to 0.25% w/w) to be protected to provide 6 to 28 ppm of active isothiazoliones. 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/refresher products, liquid and solid air fresheners/deodorizers, car care products, and other similar cleaners, use 0.5 to 2.5 lb. to each 1000lb. of product (0.05 to 0.25% w/w) to be protected to provide 6 to 28 ppm of active isothiazoliones). ACTICIDE® LA 1209 may also be used for control of bacteria and fungi in package utility products such as pre-moistened sponges and mops, 0.5 to 2.5 lb. to each 1000 lb. of water (0.05 to 0.25% w/w) to pre-moistened sponges and mops to provide 6 to 28 ppm of active isothiazoliones. 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.
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HOUSEHOLD CONSUMER, INDUSTRIAL, JANITORIAL PRODUCTS (cont):

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. Wet wipes containing a solution preserved with this product may not be used for personal care, as baby wipes, or for food contact. ACTICIDE® LA 1209 is added at a level of 0.5 to 2.5 lb. to each 1000lb. of product (0.05 – 0.25% w/w) to be protected to provide 6 to 28 ppm of active isothiazolinones. 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.

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.

* 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. Add 0.50 to 3.0 lbs of ACTICIDE® LA 1209 to each 1000 lbs (0.05% to 0.30% wt/wt) of fluid to provide 6 to 33 ppm active isothiazolones and 44 to 264 ppm active bronopol. * Not approved for use in the State of California

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.

ACTICIDE® LA 1209 microbiocide weighs 8.8 lb. per gallon.