**ACTICIDE® M10S**

**Active Ingredients:**
2,4-Diethyl-4-methylthiadien-3-ol - 95.0%

**Inert Ingredients:**
- Water - 5.0%
- **Total:** - 100.0%

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**KEEP OUT OF REACH OF CHILDREN**

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**DANGER - PELIGRO**

See inside panel for additional precautionary statements.

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**FIRST AID**

**For Eyes:**
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.
- If insensitive, rinse both eyes for 15 minutes, then call the poison control center or doctor for treatment advice.

**For Skin:**
- Wash skin immediately with plenty of water for 15-20 minutes, then call the poison control center or doctor for further treatment.

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**NOTICE:**
- Do not accept a product container label that you
- Have not obtained directly from the manufacturer.

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**Precautionary Statements:**

**Hazards to Humans and Domestic Animals**

**Inhalation:**
May cause dizziness, nausea, and headache.

**Eye Contact:**
May cause conjunctivitis.

**Skin Contact:**
May cause irritation.

**Ingestion:**
May cause nausea, vomiting, and diarrhea.

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**User Safety Requirements:**
- Good personal hygiene practices, including the use of disposable gloves, are recommended.
- Keep container closed and out of reach of children.
- Do not drink, eat, or smoke.
- Wash hands thoroughly with soap and water after handling.
- Do not smoke.
- Store in a cool, dry place.

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**DIRECTIONS FOR USE**

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

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

**Manufactured By:**
Thor GmbH
D-67948 Speyer, Germany

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

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**EPA Reg. No.** 67071-48
**EPA Est. No.** 67071-DEU-001

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**Note to physician:**
Probable mucous membrane damage may be anticipated. No use of gastric lavage.

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**Batch:**
**Mfg Date:**

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**Net Contents (pounds):**
# ACTICIDE® M10S
## INFORMATION SHEET

**THIS ACTICIDE® M10S INFORMATION SHEET MUST ACCOMPANY EACH SHIPMENT OF ACTICIDE® M10S**

**DIRECTIONS FOR USE**

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## PRESERVATIVE FOR LATICES

ACTICIDE® M10S 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.

<table>
<thead>
<tr>
<th>Concentration</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.10 – 0.25%</td>
<td>1.0 – 2.5 LB per 1000 LBS of emulsion (0.45 – 1.13 kg per 454 kg emulsion)</td>
</tr>
</tbody>
</table>

## PRESERVATIVE FOR PAINTS AND COATINGS

ACTICIDE® M10S microbiocide is recommended as an in-container preservative for the control of bacteria and fungi in water based coatings such as paper and wood coatings and paints used for architectural product finishes and special purpose coatings.

<table>
<thead>
<tr>
<th>Concentration</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.076 – 0.15%</td>
<td>0.76 – 1.5 LB per 1000 LBS of paint or coating fluid formulation (0.34 – 0.68 kg per 454 kg formulation)</td>
</tr>
</tbody>
</table>

*Special purpose coating uses:

Include use as a preservative for electrodeposition paints or solutions, photopating solutions or coatings, fount (or fountain) solutions used in the printing process as maintenance fluids/coatings and as special coatings for printing plates, and in spin finish coatings for fibers. The application/addition directions for these special purpose coating uses are:

*Electrodeposition:

ACTICIDE® M10S 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® M10S microbiocide may be added through the components of the electrodeposition paint prior to their addition to the electrodeposition system.

Tankside Addition to Electrodeposition Systems: ACTICIDE® M10S 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 up to 0.25% ACTICIDE® M10S microbiocide (based on the total gallons of fluid in the system). Repeat until control is achieved. When microbial control is evident, add up to 0.25% ACTICIDE® M10S (based on the total 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*
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**Treatment of electrodeposition paint components:**

Initial dose of paint components: ACTICIDE® M10S 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 no more than 0.25% ACTICIDE® M10S.

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

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**Photo/photoplate processing and fountain solutions:**

ACTICIDE® M10S microbiocide is recommended for the control of bacteria and fungi in *photo/photoplate processing* such as in stabilizer solutions and fountain solutions. ACTICIDE® M10S microbiocide should be added to achieve the recommended dosage range for fountain solutions and *photoplate processing* chemicals of 0.076% to 0.25% on a total weight basis. A level adjustment may be necessary to accommodate the slight change in solution formulations. ACTICIDE® M10S may be added to concentrates at levels higher than 0.25% so long as the final use-dilution product contains not more than 0.25% ACTICIDE® M10S.

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

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**Ink/Ink Components:**

ACTICIDE® M10S microbiocide is recommended for water-based printing inks such as flexographic, gravure, screen and ink jet types. ACTICIDE® M10S 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® M10S microbiocide should be added to achieve the recommended dosage range for ink and ink components of 0.14% to 0.25% on a total weight basis. A level adjustment may be necessary to accommodate the slight change in solution formulations. ACTICIDE® M10S may be added to concentrates at levels higher than 0.25% so long as the final use-dilution product contains not more than 0.25% ACTICIDE® M10S.

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**PRESERVATIVE FOR BUILDING MATERIALS**

ACTICIDE® M10S microbiocide is recommended as an in-container preservative for the control of bacteria and fungi in building materials such as mastics, caulks, joint cements, spackles and grouts.

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

<table>
<thead>
<tr>
<th>Range</th>
<th>Description</th>
<th>EPA Reg. No. 67071-48</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.076 – 0.25%</td>
<td>0.76 – 2.5 LB (0.34 – 1.13 kg) per 1000 LBS of fluid</td>
<td>Thor GmbH</td>
</tr>
<tr>
<td></td>
<td></td>
<td>D-67346 Speyer, Germany</td>
</tr>
<tr>
<td>0.20 – 0.25%</td>
<td>2.0 – 2.5 LB per 1000 LBS of fluid</td>
<td>Thor Specialties, Inc.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>50 Waterview Drive, Shelton, CT</td>
</tr>
<tr>
<td></td>
<td></td>
<td>06484 USA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Tel. (203) 516-6980</td>
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Page 2 of 5
**ACTICIDE® M10S INFORMATION SHEET**

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DIRECTIONS FOR USE

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

<table>
<thead>
<tr>
<th><em>PRESERVATIVE FOR FUELS</em></th>
<th>For a noticeably fouled system:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACTICIDE® M10S is recommended for the control of bacteria and fungi in liquid hydrocarbon fuels such as crude oils, aviation fuels, kerosene, heating oil, residential fuels and petrochemical feed stocks. <em>Not approved for this use in the state of California</em></td>
<td>1.2 - 3.4 GAL per 10,000 GAL fuel system</td>
</tr>
<tr>
<td>Maintenance dose:</td>
<td>0.64 – 1.8 GAL per 10,000 GAL fuel system</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PRESERVATIVE FOR ADHESIVES AND <em>TACKIFIERS</em></th>
<th>0.076 – 0.15%</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACTICIDE® M10S 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® M10S microbiocide is recommended as a preservative for <em>tackifiers</em> derived from rosin and hydrocarbon resins. <em>Not approved for this use in the state of California</em></td>
<td>0.76 – 1.5 LB per 1000 LBS of fluid</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PRESERVATIVE FOR DISPERSED PIGMENTS (MINERAL SLURRIES)</th>
<th>0.025 – 0.15%</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACTICIDE® M10S 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 and kieselguhr used in paint and paper products.</td>
<td>0.25 – 1.5 LB per 1000 LBS of dispersion</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><em>PRESERVATIVE FOR OIL-IN-WATER EMULSIONS</em></th>
<th>0.10 – 0.25%</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACTICIDE® M10S is recommended for use in spin-finish solutions used in the textile industry and photographic emulsions. <em>Not approved for this use in the state of California</em></td>
<td>1.0 – 2.5 LB per 1000 LBS of emulsion</td>
</tr>
</tbody>
</table>
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DIRECTIONS FOR USE

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## PRESERVATIVE FOR METAL WORKING FLUIDS

ACTICIDE® M10S microbicide is recommended for the control of bacteria and fungi in aqueous metal working fluid solutions and emulsions.

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. 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 maintenance of a non-fouled system:

| 0.8 – 1.6 GAL per 1000 GAL emulsion (75 – 150 ppm active ingredient) every 4 weeks |

## HOUSEHOLD, CONSUMER, INDUSTRIAL, INSTITUTIONAL, JANITORIAL PRODUCTS

For the control of bacteria and fungi in liquid and semi-solid/solid soaps, liquid and semi-solid/solid cleaners, liquid and semi-solid/solid detergents, liquid and semi-solid/solid laundry products, liquid and semi-solid/solid dishwashing detergents, waxes, polishes, liquid and semi-solid/solid fabric treatment/refresher products, liquid and semi-solid/solid air fresheners/deodorizers, car care products, and other similar cleaners. ACTICIDE® M10S may also be used for the control of bacteria and fungi in package utility products such as pre-moistened sponges and mops. ACTICIDE® M10S 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 as baby wipes, or for food contact. May also be used for the control of bacteria and fungi in package utility products including pre-moistened sponges and mops in uses cited above.

| 0.04 – 0.16% |
| 0.4 – 1.6 LB (0.2 – 0.7 kg) per 1000 LBS of treated product |
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*PRESERVATIVE FOR TEXTILES/CORDAGE PRODUCTS AND TEXTILE-TEXTILE FIBERS MAKING
ACTICIDE® M10S microbiocide is recommended as a preservative for the control of microorganisms in textiles and non-woven products (such as canvas, carpet, cordage, drapes, and shower curtains), in chemicals commonly used in the production of natural and synthetic fibers and fabrics (such as fiber lubricants, spin finishes, sizes, dyestuffs, textile printing inks, dispersants, thickeners, dye fixatives, hand builders and weighters), and in textile coatings.
*Not approved for this use in the state of California

<table>
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<tr>
<th>Concentration</th>
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<tbody>
<tr>
<td>0.076 – 0.15%</td>
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*IN-CONTAINER PRESERVATIVE
ACTICIDE® M10S 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
*surfactants
*nutrient solutions
*aqueous pesticides which include, but are not limited to, insecticides, termicidic, fungicides, bactericides, algaecides, herbicides, rodenticides [includes use as an in-container preservative for the control of bacteria and fungi in pesticide products for dilution]
*Not approved for this use in the state of California

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>0.025 – 0.25%</td>
<td>0.25 – 2.5 LB per 1000 LBS of treated product to provide 0.025 – 0.25% ACTICIDE M10S in final use solution</td>
</tr>
</tbody>
</table>

ACTICIDE® M10S microbiocide weighs 8.9 lbs. per gallon