

48737-3

9/15/2014

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U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Antimicrobials Division (7510P)  
1200 Pennsylvania Avenue NW  
Washington, D.C. 20460

EPA Reg. Number:

48737-3

Date of Issuance:

SEP 15 2014

Term of Issuance:

**Conditional**

Name of Pesticide Product:

LUROL Ag-1500

**NOTICE OF PESTICIDE:**

- Registration
- Reregistration  
(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Goulston Technologies, Inc.  
700 N. Johnson St.  
Monroe, NC 28110

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Antimicrobials Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on her motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

The application referred to above, submitted under the Federal Insecticide, Fungicide and Rodenticide Act, as amended is acceptable under FIFRA sec. 3(c)(7)(B), provided that you:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.
  - a. The Silver DCI was issued in 2012, and you are responsible for addressing the data requirements outlined in the data call-in. A copy of the DCI can be located in the Docket for this active ingredient <http://www.regulations.gov/#!docketDetail;D=EPA-HQ-OPP-2009-0334>. A copy of the EDSP Order can be located [http://www.epa.gov/endo/pubs/edsp\\_orders\\_status.pdf](http://www.epa.gov/endo/pubs/edsp_orders_status.pdf).

The accepted basic CSF is dated April 22, 2014. A stamped copy of your labeling is enclosed for your records. Submit a final printed label before distributing or selling this product.

Signature of Approving Official:

Eric Miederhoff  
Acting Product Manager Team 33  
Regulatory Management Branch  
Antimicrobials Division (7510P)

Date:

SEP 15 2014

If you have questions concerning this matter, please contact me at (703) 347-8028 or by email at Miederhoff.Eric@epa.gov.

Sincerely,

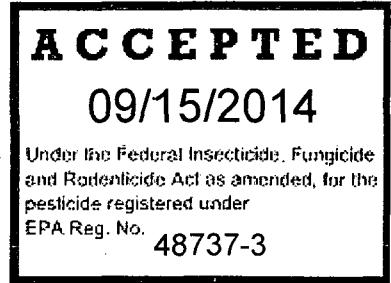
A handwritten signature in black ink, appearing to read "Eric Miederhoff". The signature is written in a cursive style with a large initial "E".

Eric Miederhoff  
Acting Product Manager (33),  
Antimicrobials Division (7510P)

Enclosure: Stamped label

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**MASTER LABEL**



[ ] Bracketed Text -- Optional Marketing Language

# LUROL Ag-1500

## Ready to Use Version of Silvadur™ 900

*[Long-Lasting Antimicrobial Preservative for Odor Control]  
[For Use in the Manufacturing of Coatings, Films, and Fibers]*

<b>ACTIVE INGREDIENT:</b>	
Silver .....	0.15%
<b>OTHER INGREDIENTS:</b> .....	<b>99.85%</b>
<b>TOTAL:</b>	<b>100.00%</b>

**KEEP OUT OF REACH OF CHILDREN**

### CAUTION

READ THIS LABEL BEFORE USING.

<b>FIRST AID</b>	
<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. Remove contact lenses, if present, after first 5 minutes then continue rinsing eye.</li> <li>•Call a poison control center or doctor for treatment advice.</li> </ul>
Have the product container or label with you when calling the poison control center or doctor, or going for treatment.	
For information on this product, contact the National Pesticide Information Center, 1-800-858-7378, Monday-Friday, 7:30 AM-3:30 PM PST. You may also contact the National Poison Control Center, 1-800-222-1222, day or night, for emergency medical treatment information.	
<b>NOTE TO PHYSICIAN:</b> Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsions may be necessary.	

Manufactured by:  
Goulston Technologies, Inc.  
PO Box 5025  
Monroe, NC 28111-5025

EPA Reg. No. 48737-3  
EPA Est. No.

Net Contents:

\_\_\_\_\_ 5 gal.                      \_\_\_\_\_ 30 gal.                      \_\_\_\_\_ 55 gal

**MASTER LABEL**

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
CAUTION**

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wear protective eyewear (goggles, face shield, or safety glasses). Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash before reuse.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish and other aquatic organisms. 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 local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA. De-activation may be required during clean up if a spill occurs.

**STORAGE AND DISPOSAL**  
Do not contaminate water, food or feed by storage or disposal.  
**Pesticide Storage:** Do not allow to freeze.  
**Pesticide Disposal:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to the 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:** Nonrefillable container. Do not reuse or refill this container. Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.  
**For Containers equal to or less than 5 Gallons:** Clean container promptly after emptying. Triple rinse as follows: 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 1/4 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 greater than 5 Gallons:** Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 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.

**DIRECTIONS FOR USE**

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

The active ingredient in Lurol Ag-1500 is effective against odor causing bacteria, bacteria which cause staining and discoloration, mold and mildew, and algae as a static agent. Ag-1500 can be used as a final bacteriostatic finish on the listed items.

**COMMERCIAL AND INDUSTRIAL APPLICATIONS**

LUROL Ag-1500 is a long lasting antimicrobial preservative for industrial products, that when incorporated into materials during the manufacturing process, imparts antimicrobial activity and prevents the growth of bacteria, mold and mildew that may cause unpleasant odors, discoloration or deterioration of the treated product.

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### Use Instructions:

- Prepare solutions by simply adding LUROL Ag-1500 to water and stirring. Dilute LUROL Ag-1500 by adding 0.2 to 2 fluid ounces of Ag-1500 per cup (3.2 to 32 fluid ounces of Ag-1500 per gallon) of water.
- Apply to organic or inorganic substrates by:
  - padding using a dip bath and nip roll configuration
  - spraying
  - foaming incorporating a foaming additive
- All application processes should target a final treatment of 10 – 1000 ppm on the surface.
- Dry substrate at temperatures from ambient to a maximum of 200° C (392° F).

**Note:** For each application, determine optimum application and drying conditions, such as time and temperature before use.

### Approved Commercial and Industrial Applications

Non-food contact uses in industrial and household products include the following:

#### Filtration Media

- Air filters for furnaces, air-conditioners, air purification devices, automobiles, recirculating air-handling systems
- Air filters/materials
- Aquarium filter material

#### Bedding Applications

- Bed sheets, blankets, and bedspreads
- Mattress pads and mattress ticking and upholstery composed of acrylics, acetates, cotton, nylon, polyester, polyolefin, wool
- Filling material for use in pillows, sleeping bags, comforters, where the fiber is cotton, natural down, nylon, polyester, feathers, rayon, or wool

#### Clothing & Athletic Gear Applications

- Filling material for use in apparel where the fiber is cotton, natural down, nylon, polyester, feathers, rayon, or wool
- Socks and hosiery comprised of nylon, nylon/orlon, cotton/nylon, linen/Lycra, acrylic/polypropylene/nylon/ Lycra, wool/silk/nylon/Lycra and wool/acrylic/nylon/Lycra
- Athletic and casual shoes insoles and components
- Athletic gear including protective pads, helmet liners, wrestling/work-out mats
- Under garments
- Athletic and outerwear apparel (e.g., jackets, sweaters, sweatshirts, sweatpants, jerseys, shirts, shorts, coats, raincoats, overcoats, ponchos)

#### Wall, Upholstery and Floor Coverings

- Carpets and draperies made from nylon, polyester, polypropylene, cotton, acrylic, wool, or spandex
- Throw rugs made of synthetic and natural fibers / fabrics
- Upholstery made of acetates, acrylics, cotton, fiberglass, nylon, polyester, polyethylene, polypropylene, rayon, spandex, vinyl, wool
- Vinyl paper-wall paper for non-food contact surfaces

#### Household Use Items

- Cellulose sponges
- Toilet tank and seat covers
- Umbrellas

## MASTER LABEL

- Vacuum cleaner bags and filters
- Shower curtains
- Toweling made of 100 percent cotton, 100 percent polyester, and blends of the two fibers
- Non-woven fabrics containing polyolefin, polypropylene, polyester, nylon, and other synthetic fibers for use in disposable diapers, pet pads, covers, automotive products, wall coverings

### Wipes Applications

- Pre-moistened novelettes and tissue wipes (these do not impact pesticide properties)
- Disposable wiping cloths that can be used for multiple purposes such as dusting or washing furniture, cars, walls, windows, floors, appliances, dishes, counter tops; the wiping cloths do not impact pesticide properties

### Industrial Applications

- Buffer pads (abrasive and polishing)
- Fire hose fabric
- Roofing materials – defined as shingles, roofing granules, wood shakes, felt, stone and synthetic overcoats
- Sand bags, tents, tarpaulins, sails and ropes

### Paints and Coatings

- LUROL Ag-1500 can be used in paints and coatings as an in can preservative for protection of paint film. Types of paints and coatings include: latex indoor/outdoor paints and stains, wood stains, architectural paints, lacquer and maintenance coatings, films, laminates and finishes including alkyd, urethane, enamel, epoxy, siloxane, amino, resins, textile coatings, extrusion coatings, architectural coatings and overlays, anti-corrosion coatings, fire-resistant coatings, aliphatic coatings, vinyl ester and polyester coatings, gel coatings, amino resins, resins used as additive mixes for cement, epoxy laminating resins and blends and copolymers there of

**NOTICE:** GOULSTON warrants that this product conforms to its chemical description and is reasonably fit for the purposes stated in the bulletin when used in accordance with directions under normal conditions of use; but this warranty of fitness for a particular purpose does not extend to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use. To the extent consistent with applicable law, GOULSTON TECHNOLOGIES, INC. SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY, INCLUDING THE WARRANTY OF MERCHANTABILITY.

Silvadur™ is a trademark of The Dow Chemical Company

**MASTER LABEL**

[Optional Marketing Statements -

**MOLD, MILDEW, AND ODOR INHIBITOR**

*LUROL AG-1500 is an antimicrobial agent effective against odor causing bacteria.*

*LUROL AG-1500 is an antimicrobial agent effective against bacteria which cause staining and discoloration.*

*LUROL AG-1500 is an antimicrobial agent effective against mold and mildew.*

*LUROL AG-1500 is an antimicrobial agent effective against algae.*

*LUROL Ag-1500, an antimicrobial agent, controls the source of odors on surfaces in the home, in the bathroom, in the kitchen.*

*LUROL Ag-1500, an antimicrobial agent, inhibits smelly odors caused by mold and mildew that can grow even in the cleanest of homes.*

*LUROL Ag-1500, an antimicrobial agent, inhibits the growth of odor causing bacteria.*

*Effective on hard non-porous washable bathroom and kitchen surfaces and fixtures around the home.*

*Effective on hard non-porous washable surfaces made of fiberglass, glazed porcelain, tiles, stainless steel, synthetic marble.*

*Use on carpet and upholstery to inhibit odor causing bacteria, bacteria which cause staining and discoloration, and mold and mildew.*

*Unscented.*

*Use on carpet and upholstery to inhibit the growth of odor causing bacteria.*

*Use on carpet and upholstery to inhibit the growth of bacteria which cause staining and discoloration.*

*Use on carpet and upholstery to inhibit the growth of mold and mildew.*

*Use on carpet and upholstery to inhibit the growth of odor causing bacteria, bacteria which cause staining and discoloration, mold and mildew, and algae.*

*Provides an invisible microbiostatic coating to inhibit the growth of odor causing bacteria.*

*Provides an invisible microbiostatic coating to inhibit the growth of bacteria which cause staining and discoloration.*

*Provides an invisible microbiostatic coating to inhibit the growth of mold and mildew.*

*Provides an invisible microbiostatic coating to inhibit the growth of algae.*

*Provides an invisible microbiostatic coating to inhibit the growth of odor causing bacteria, bacteria which cause staining and discoloration, mold and mildew and algae.*

*Prevents deterioration caused by bacteria and mold and mildew. Inhibits deterioration caused by bacteria.]*