



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

OFFICE OF CHEMICAL, SAFETY
AND POLLUTION PREVENTION

Jane Miller,
Goulston Technologies, Inc.
c/o Biologic consulting, Inc.,
115 Obtuse Hill Road,
Brookfield, CT 06804

OCT -6 2014

Subject: Lurol AM-7
EPA Registration: 48737-1
Application Date: 6/24/2014
Receipt Date: 6/27/2014
Submission #: 954196

Dear Jane Miller,

The following amendment(s), submitted in connection with registration under Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable.

Proposed Amendment:

- Correct the ingredient statement to reflect the words "Other Ingredients";
- Add emergency telephone numbers to the first aid box;
- Change and add descriptive text in order to provide more guidance to the user;
- Add optional use instructions for "Dip/Soak" and "Spray" to treat approved articles;
- Add optional marketing statements.

General Comments

A stamped copy of the labeling accepted with conditions is enclosed. Submit three (3) copies of your final printed labeling before distributing or selling the product bearing the revised labeling.

Should you have any questions or comments concerning this letter, please contact Velma Noble PM Team 31 at (703) 308-6233 or Jamil Mixon at (703) 308-8032.

Sincerely,

A handwritten signature in blue ink, appearing to read "Velma Noble".

Velma Noble,
Product Manager, Team 31
Regulatory Management Branch
Antimicrobials Division (7510P)

Enclosure

LUROL AM-7

A SILANE QUATERNARY AMMONIUM SALT

Provides a surface-durable antimicrobial treatment effective against odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae as a static agent.

Combats deterioration, resists mildew, and odors caused by bacteria.

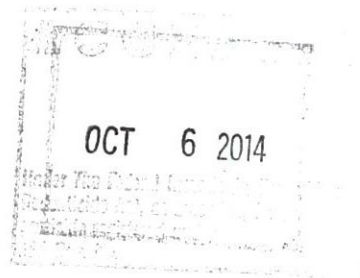
Active Ingredient:

Octadecylaminodimethyltrihydroxysilyl propyl ammonium chloride.....5.12%

Other Ingredients:.....94.88%

TOTAL 100.00%

Contains less than 1% methanol



**KEEP OUT OF REACH OF CHILDREN
WARNING**

Manufactured for:
Goulston Technologies, Inc.
P.O. Box 5025
Monroe, NC 28111-5025

EPA Reg. No. 48737-1
EPA Est. No. [REDACTED]
Net Weight: 55 gal.
275 gal.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

WARNING. Causes substantial but temporary eye injury. Harmful if absorbed through the skin or inhaled. Do not get in eyes or on clothing. Avoid contact with skin and avoid breathing vapor. Wear protective eyewear (goggles, face shield, or safety glasses). Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

FIRST AID	
If In Eyes:	<ul style="list-style-type: none">• Hold eyelid 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.• Call poison control center or doctor for treatment advice.
If Inhaled:	<ul style="list-style-type: none">• 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 treatment advice.
If on Skin or Clothing:	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15-20 minutes.• Call a poison control center or doctor for treatment advice.
If Swallowed:	<ul style="list-style-type: none">• 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 a poison control center or doctor.• Do not give anything by mouth to an unconscious person.
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.	

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. 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. De-activation of LUROL AM-7 can be achieved by the addition of anionic surfactant (such as soap, sulfonates, sulfates) in quantity equivalent to that of LUROL AM-7.

DIRECTIONS FOR USE

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

Wear protective eyewear (goggles or face shield) and gloves when using this product. Dry treated areas and articles such as clothing before use.

Remove children and pets from treated area until completely dry.

HOW TO APPLY

Prepare solutions by simply adding LUROL AM-7 to solvent and stirring. Dilute LUROL AM-7 by adding 0.2 to 2 fluid ounces of LUROL AM-7 per cup (3.2 to 32 fluid ounces of LUROL AM-7 per gallon) of water or other solvents (for example alcohol and ketones) and then applied to organic or inorganic substrates by brushing, dipping, padding, soaking, spraying, fogging or by using foam finishing techniques to give a final treatment of 0.1 to 1.0 percent by weight active ingredient.

Dry substrate at temperatures from ambient to a maximum of 160° C (320° F) to effect complete condensation of silanol groups and to remove water, solvents, and/or traces of methanol from hydrolysis. For each application, determine optimum application and drying conditions, such as time and temperature before use.

APPROVED USES

Commercial and Industrial Applications

For Use in Homes, Offices, Automobiles, and Institutions including Schools, Hospitals, Daycare Centers, Churches, Correctional Facilities, Hotels, Cruises, and Freight Liners:

The active ingredient in LUROL AM-7 is effective against odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew) and algae as a static agent. LUROL AM-7 can be used as a final bacteriostatic finish on the following items to impart bacteriostatic/fungistatic (mold and mildew) activity.

- Air filters for furnaces, air-conditioners, air purification devices, automobiles, recirculating air-handling systems
- Air filters/materials
- Aquarium filter material
- Bed sheets, blankets, and bedspreads
- Buffer pads (abrasive and polishing)
- Carpets and draperies made from nylon, polyester, polypropylene, cotton, acrylic, wool, or spandex
- Cellulose sponges
- Concrete additive for sewer pipes, manholes and concrete sewer structures; not to be used in treatment of storm drains
- Concrete additive for repair and renewal of sewer pipes and manholes and concrete sewer structures; not to be used in treatment of storm drains.
- Filling material for use in pillows, sleeping bags, apparel, comforters, where the fiber is cotton, natural down, nylon, polyester, feathers, rayon, or wool
- Fiberglass duct board
- Fire hose fabric
- Humidifier belts
- Mattress pads and mattress ticking and upholstery composed of acrylics, acetates, cotton, nylon, polyester, polyolefin, wool
- Men's and women's under garments and outerwear
- Non-woven fabrics containing polyolefin, polypropylene, polyester, nylon, and other synthetic fibers for use in disposable diapers, pet products, covers, automotive products, wall coverings
- Outerwear apparel (jackets, sweaters, sweatshirts, coats, raincoats, overcoats, jerseys, ponchos)
- LUROL AM-7 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, woodstains, 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,

Amendment to add use sites & directions for use to label 06 24 2014

anti-corrosion coatings, fire-resistant coatings, aliphatic coatings, vinylester and polyester coatings, gel coatings, amino resins, resins used as additive mixes for cement, epoxy laminating resins and blends and copolymers thereof

- Polyurethane and cellulose foam for household, industrial, and institutional sponges and mops
- Polyurethane and polyethylene foam, when covered
- Polyurethane foam for packaging and cushioning in non-food contact applications
- Polyurethane foam used as a growth medium for non-food crops and plants
- Pre-moistened towelettes and tissue wipes (these do not impact pesticidal properties)
- Roofing materials – defined as shingles, roofing granules, wood shakes, felt, stone and synthetic overcoats
- Sand bags, tents, tarpaulins, sails and ropes
- Athletic and casual shoes insoles and components
- Shower curtains
- Socks comprised of nylon, nylon/orlon, cotton/nylon, linen/Lycra, acrylic/polypropylene/nylon/Lycra, wool/silk/nylon/Lycra and wool/acrylic/nylon/Lycra
- Throw rugs made of synthetic and natural fibers/fabrics
- Toweling made of 100 percent cotton, 100 percent polyester, and blends of the two fibers
- Toilet tank and seat covers
- Umbrellas
- Upholstery made of acetates, acrylics, cotton, fiberglass, nylon, polyester, polyethylene, polyolefins, polypropylene, rayon, spandex, vinyl, wool
- Vacuum cleaner bags and filters
- Vinyl paper-wallpaper for non-food contact surfaces
- 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

[Optional Use Instructions –

<i>Target Applications</i>	<i>Pest Controlled</i>	<i>Dilution Rate</i>	<i>Method of Application</i>
<i>Bed sheets, blankets, bedspreads, curtains, draperies (washable only), underwear, socks, intimate apparel, hosiery, throw rugs, toweling, toilet tank covers, shower curtains, shoe insoles, outerwear apparel (jackets, sweaters, sweatshirts, coats, raincoats, overcoats, jerseys, ponchos). LUROL AM-7 can be applied to fabrics made of acetates, acrylics, cotton, fiberglass, spandex, nylon, polyester, polyethylene, polyolefins, polypropylene, rayon, silk, spandex, vinyl, and wool.</i>	<i>Odor causing bacteria, bacteria which cause discoloration and fungi (mold and mildew)</i>	<i>8 ounce per gallon 2 ounce per quart 1 ounce per pint</i>	<i>DIP/SOAK: Dilute LUROL AM-7 in water; mix well. Use appropriate sized wash basin or tub for dipping/soaking the item you are treating. Use enough LUROL AM-7 solution to completely submerge item. Keep item in solution for 3 minutes. Remove item and remove excess liquid. Drying may be attained by dripping dry or wringing excess liquid treated item. For larger items (e.g., bedspreads, curtains, draperies), place in washing machine on spin cycle to aid in the removal of excess liquid. Test staining and color-fastness of fabric and carpets by treating and drying a small concealed area prior to application. Do not reuse solution after dipping/soaking. Dry treated articles before use. Substrates can be hang-dried at room temperature or at temperatures to a maximum of 160 °C (320 °F); (for example in a clothes dryer). If necessary, reapply LUROL</i>
<i>Mattress pad and mattress</i>			

<p>ticking and upholstery composed of acetates, acrylics, cotton, fiberglass, nylon, polyester, polyethylene, polyolefins, polypropylene, rayon, spandex, vinyl, wool; fiberfill to be used in upholstery, sleeping bags, apparel, where the fiber is cotton, natural down, nylon, rayon or wool.</p>			<p>AM-7 every three months or when odor, staining and discoloration due to bacteria, mold stains and mildew stains return.</p> <p>SPRAY: Dilute LUROL AM-7 in water; mix well. Clean surface prior to application. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 4" - 6" from the surface making sure the surface is completely covered. Let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. Test staining and color-fastness of fabric by treating and drying a small concealed area prior to application. If necessary, reapply LUROL AM-7 every three months or when odor, staining and discoloration due to bacteria, mold stains and mildew stains return.</p>
<p>Carpeting Buffer pads (polishing and abrasive) Polyurethane and cellulose foam for household mops, vacuum cleaner bags, umbrellas, casual shoes, and athletic shoes</p>	<p>Odor causing bacteria, bacteria which cause discoloration and fungi (mold and mildew)</p>	<p>8 ounce per gallon 2 ounce per quart 1 ounce per pint</p>	<p>SPRAY: Dilute LUROL AM-7 in water; mix well. Clean surface prior to application. Using a trigger pump sprayer or pressure sprayer, spray the entire surface area 4" - 6" from the surface making sure the surface is completely covered. Let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. Test staining and color-fastness of fabric by treating and drying a small concealed area prior to application. If necessary, reapply LUROL AM-7 every three months or when odor, staining and discoloration due to bacteria, mold stains and mildew stains return.]</p>

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in original, tightly closed containers below 86°F and above 32°F in a secure area.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Metal Container: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Returnable/Refillable Container: Replace the dry disconnect cap, if applicable, and seal all openings which have been opened during use.

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 bulletin instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use. GOULSTON TECHNOLOGIES, INC.

SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY, INCLUDING THE WARRANTY OF MERCHANTABILITY.

[OPTIONAL MARKETING STATEMENTS –

MOLD, MILDEW, ODOR PROTECTOR AND INHIBITOR

LUROL AM-7 is an antimicrobial agent effective against odor causing bacteria.

LUROL AM-7 is an antimicrobial agent effective against bacteria which cause staining and discoloration.

LUROL AM-7 is an antimicrobial agent effective against fungi (mold and mildew).

LUROL AM-7 is an antimicrobial agent effective against algae.

LUROL AM-7, an antimicrobial agent, controls the source of odors on surfaces in the home, in the bathroom, in the kitchen.

Lurol AM-7, an antimicrobial agent, inhibits smelly odors caused by mold and mildew that can grow even in the cleanest of homes.

Lurol AM-7, 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, Formica®, stainless steel, synthetic marble.

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

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

Prevents deterioration caused by bacteria and fungi (mold and mildew). Inhibits deterioration caused by bacteria.]