

48737-1

6-19-2003

1/17

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



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

EPA Reg. Number:
48737-1

Date of Issuance:
JUN 19 2003

Term of Issuance:
CONDITIONAL

Name of Pesticide Product:
AM-7 Antimicrobial

NOTICE OF PESTICIDE:
 x Registration
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Goulston Technologies, Inc.
P.O. Box 5025
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 Registration 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 his 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.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Add the phrase EPA Registration Number "EPA Reg. No. 48737-1".

Signature of Approving Official:

Dennis H Edwards for
Velma Noble
Regulatory Management Branch 1
Antimicrobial Division (7510C)

Date:

JUN 19 2003

EPA Form 8570-6

CONCURRENCES

SYMBOL	7510C						
SURNAME	<i>J. Stark</i>						
DATE	6/19/03						

2/17

page 2
EPA Reg. No. 48737-1

3. This product is considered a "me-too" of EPA Reg. No. 75497-1 (formerly 70871-1) and as such this registration is limited to the currently accepted sites and directions for use as 75497-1. Any additional sites/uses will require extensive data review for this new active ingredient.

4. Upon completion, submit Storage Stability and Corrosion Characteristics Data to the Agency for review.

5. Make the following revisions to the label:

A. Delete the phrase on the front panel "[optional marketing statements]" as it is unclear as to what is implied by this statement. Only the specific marketing statements which have been approved on this accompanying stamped label are acceptable for this product at this time.

B. Your "Precautionary Statements" must be in agreement with those of 75497-1. Revise these statement to read exactly as follows:
"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."

C. Revise your "Environmental Hazards" statements to be in agreement with 75497-1. Revise the following statement as it appears in both the commercial & industrial uses and homeowner uses: change "This pesticide is toxic to aquatic organisms." to read "This pesticide is toxic to *fish.*"

D. Revise the Directions for Use on page three in the Commercial and Industrial Applications to be in agreement with 75497-1. Revise the section beginning: "Prepare solutions by simply...of water or *other solvents (for example alcohol and ketones)* and then applied to organic..." by deleting the phrase "fiber/fabric lubricant".

E. Revise the Directions for Use on page three in the Commercial and Industrial Applications to be in agreement with 75497-1. Revise the section beginning: "Dry substrate at temperatures...of silanol groups and to remove water, *solvents*, and/or traces of methanol *from hydrolysis.*"

F. Revise the Directions for Use on page four in the Commercial and Industrial Applications, page six in the Approved Commercial Applications to homes, offices... and page ten in the Approved Homeowner Uses to be in agreement with 75497-1. Delete the following sites:

~~"Construction materials defined as drywall **CANISTER LID** decking boards and ceiling tiles." polypropylene and nylon." and "awnings."~~

SYMBOL							
SURNAME							
DATE							

3/17

page 3
EPA Reg. No. 48737-1

G. Revise the Directions for Use on page six in the Approved Commercial Applications to homes, offices... by deleting the sites which are not in agreement with 75497-1 and are not appropriate for these users: "non-woven disposable diapers," and "pre-moistened towelettes and tissue wipes (these do not impact pesticidal properties)."

H. Revise the Directions for Use on page eight in the Approved Homeowner Uses for air filters and air filter material... which are not in agreement with 75497-1 to begin as follows: "SPRAY: Dilute AM-7 in water; mix well. *When treating filters, remove filter from unit.* Using a trigger pump sprayer or pressure sprayer..." deleting the statement: "Clean surface prior to application."

I. Revise the Directions for Use on page nine in the Approved Homeowner Uses for carpets which are not in agreement with 75497-1 to begin as follows: "SPRAY: Dilute AM-7 in water; mix well. *Apply to clean carpet surface.* Using a trigger pump sprayer or pressure sprayer..."

J. Revise the Directions for Use on page nine in the Approved Homeowner Uses for Mattress pad and mattress ticking and upholstery... which are not in agreement with 75497-1 to begin as follows: "SPRAY: Dilute AM-7 in water; mix well. Clean surface prior to application. Using a trigger pump sprayer, spray the entire surface..." deleting the statement "or pressure sprayer".

K. Revise the Directions for Use on page ten in the Approved Homeowner Uses for tents, tarpaulins, sails, ropes to read as follows: "...Test staining and color-fastness of fabric by treating..." deleting "and carpets".

L. Add the following statements to bring your label into agreement with 75497-1. Add: "A microbiostatic agent is an agent that inhibits the growth of odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae. This product does not protect users or others against food-borne or disease-causing bacteria." and "AM-7 is to be used as an in can preservative for paints to control the growth of odor causing bacteria, bacteria which causes staining and discoloration, fungi (mold and mildew) and algae."

M. An additional letter, of the same date, addressing the chemistry concerns associated with this product will follow under separate cover.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

4/17

page 4
EPA Reg. No. 48737-1

A stamped copy of the label is enclosed for your records. Submit one (1) copy of the final printed label prior to the release of the product for shipment.

If you have any questions concerning this letter, please contact Tracy Lantz at (703) 308-6415.

Sincerely,

Dennis H. Edwards for

Velma Noble
Product Manager 31
Regulatory Management Branch 1
Antimicrobial Division (7510C)

Enclosure: stamped label

			CONCURRENCES				
SYMBOL	STUC:T.Lantz/6/16/03.48737-1						
SURNAME							
DATE							

5/17

AM-7 Master Label

AM-7 ANTIMICROBIAL

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.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

JUN 19 2003

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No.

48737-1

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



Active Ingredient:

Octadecylaminodimethyltrihydroxysilyl propyl ammonium chloride.....5.12%

Inert Ingredients:.....94.88%

TOTAL 100.00%

Contains less than 1% methanol

KEEP OUT OF REACH OF CHILDREN

WARNING

Manufactured by:

Goulston Technologies, Inc.

P.O. Box 5025

Monroe, NC 28111-5025

EPA Reg. No. 48737-R

EPA Est. No.

Net Weight:

ACCEPTED
with **COMMENTS**
in EPA Letter Dated:

6/17

JUN 19 2003

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

WARNING. Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Wear protective eyewear (goggles, face shield, or safety glasses). Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, this pesticide is registered under EPA Reg. No.

48737-1

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.	

ENVIRONMENTAL HAZARDS

[Instructions for Commercial and Industrial Uses] This pesticide is toxic to 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. De-activation of AM-7 Antimicrobial can be achieved by the addition of anionic surfactant (such as soap, sulfonates, sulfates) in quantity equivalent to that of AM-7 Antimicrobial.

[Instructions for Homeowner Uses] This pesticide is toxic to aquatic organisms. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of pesticide.

7/17

DIRECTIONS FOR USE

Approved Commercial and Industrial Applications

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.

Prepare solutions by simply adding AM-7 to solvent and stirring. Dilute AM-7 by adding 0.2 to 2 fluid ounces of AM-7 per cup (3.2 to 32 fluid ounces of AM-7 per gallon) of water or ~~solvent~~ 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 and/or traces of methanol. For each application, determine optimum application and drying conditions, such as time and temperature before use. If necessary, reapply AM-7 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.

AM-7 when used as a concrete additive is added directly during concrete preparation. Use 6 fluid ounces AM-7 per cubic feet of concrete. Add to water before addition of concrete. Addition of AM-7 reduces deterioration of sewer pipes and manholes by inhibiting microbiology induced corrosion.

AM-7 when used as an additive for paints and coatings is added directly during preparation of the paint or coating. Use 5 pounds of AM-7 per 100 pounds of paint or coating (or 1 pound AM-7 per 20 pounds paint/coating). The addition of the antimicrobial agent (AM-7) to paints at the point of manufacture preserves the paint in the can as well as the dried paint film. AM-7 inhibits the growth of odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae on the surface of dried films and coatings.

Approved Commercial and Industrial Applications

The active ingredient in AM-7 is effective against odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew) and algae as a static agent. 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
- Cellulose sponges

**ACCEPTED
with COMMENTS
in EPA Letter Dated:**

JUN 19 2003

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No.

48737-1

8/17

AM-7 Master Label

- 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.
- [REDACTED]
- Fiberfill for upholstery, sleeping bags, apparel, where the fiber is cotton, natural down, nylon, polyester, rayon, or wool
- Fiberglass ductboard
- Fire hose fabric
- Humidifier belts
- Mattress pads and ticking
- Men's underwear and outerwear
- Non-woven disposable diapers
- Non-woven polyester, [REDACTED]
- Outerwear apparel (jackets, sweaters, sweatshirts, coats, raincoats, overcoats, jerseys, ponchos)
- 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, siloxaline, amino, resins, textile coatings, extrusion coatings, architectural coatings and overlays, 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, [REDACTED] sails and ropes
- Athletic and casual shoes
- Shoe insoles
- 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
- 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

ACCEPTED
with COMMENTS
in EPA Letter Dated:

JUN 19 2003

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No.

48737-1

9/17

AM-7 Master Label

- 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
- Women's hosiery
- Women's intimate apparel

ACCEPTED
with COMMENTS
in EPA Letter Dated:

JUN 19 2003

DIRECTIONS FOR USE

Approved commercial applications used in homes, offices, automobiles and institutions e.g., schools, hospitals, daycare centers, churches, correctional facilities

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 48737-1

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. Clean surfaces prior to application.

For Pump Spray Application: Dilute 8 ounces of AM-7 per gallon of water (2 oz. per quart; 1 oz. per pint). Using pump sprayer, spray entire area 4-6 inches from the surface making sure the surface is completely covered. Apply and then 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 for staining and colorfastness of fabrics and carpets by treating and drying a small concealed area prior to application. AM-7 treats approximately 200 square feet per diluted gallon of water. When treating coarser substrates, more AM-7 may be required due to absorption. A fan may be used to assist in drying carpeting.

For Commercial Spray Application: For commercial application equipment (i.e. carpet/upholstery steamers, rotary jet extraction cleaners, pressure sprayers) dilute 8 ounces of AM-7 per gallon of water (2 oz. per quart; 1 oz. per pint); mix well. Apply and then 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 for staining and color-fastness of fabrics and carpets by treating and drying a small, concealed area prior to application. AM-7 treats approximately 200 square feet per diluted gallon of water. When treating coarser substrates, more AM-7 may be required due to absorption. Dry carpet areas and surfaces before re-entry and dry articles before use. A fan may be used to assist in drying carpeting.

For Dipping/Soaking Application: Use appropriate sized wash basin or tub for dipping/soaking the item you are treating. Use enough AM-7 solution to completely submerge item. Dilute 8 ounces of AM-7 per gallon of water (2 oz. per quart; 1 oz. per pint); mix well. Completely submerge item in solution for 3 minutes. Remove item and dry. Test for staining and color-fastness of fabrics by treating and drying a small, concealed area prior to application. Do not reuse solution after dipping/soaking.

The substrate can be dried at room temperatures or at temperatures to a maximum of 160° C (320° F), for example in a clothes dryer. Remove excess liquid before attempting to dry in a clothes dryer. If necessary, reapply AM-7 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.

10/17

Approved commercial applications in homes, offices, automobiles and institutions e.g., schools, hospitals, day care centers, banks, churches, correctional facilities

The active ingredient in AM-7 is effective against odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew) and algae as a static agent. 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
- Cellulose sponges

~~Cellulose sponges~~

- Fiberfill for upholstery, sleeping bags, apparel, where the fiber is cotton, natural down, nylon, polyester, rayon, or wool

- Fiberglass ductboard
- Fire hose fabric
- Humidifier belts
- Mattress pads and ticking
- Men's underwear and outerwear

~~Non-woven disposable sponges~~

- Non-woven polyester, ~~polypropylene, polyethylene, and polyurethane~~
- Outerwear apparel (jackets, sweaters, sweatshirts, coats, raincoats, overcoats, jerseys, ponchos)
- 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

~~Non-woven disposable sponges~~

- Roofing materials – defined as shingles, roofing granules, wood shakes, felt, stone and synthetic overcoats

- Sand bags, tents, tarpaulins, ~~tarps~~ sails and ropes
- Athletic and casual shoes

- Shoe insoles
- 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
- Toweling made of 100 percent cotton, 100 percent polyester, and blends of the two fibers
- Toilet tank and seat covers
- Umbrellas

ACCEPTED
with COMMENTS
in EPA Letter Dated:

JUN 19 2003

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No.

48737-1

11/17

AM-7 Master Label

- 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
- Women's hosiery
- Women's intimate apparel

ACCEPTED
with COMMENTS
in EPA Letter Dated:

JUN 19 2003

DIRECTIONS FOR USE
For homeowner applications

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 48737-1

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. Clean surfaces prior to application.

Approved homeowner uses

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

12/17

AM-7 Master Label

Application Site	Pest Controlled	Dilution Rate	Method of Application
<p>Bedsheets, 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). AM-7 can be applied to fabrics made of acetates, acrylics, cotton, fiberglass, linen, Lycra, nylon, orlon, polyester, polyethylene, polyolefins, polypropylene, rayon, silk, spandex, vinyl, and wool.</p>	<p>Odor causing bacteria, bacteria which cause staining and discoloration and fungi (mold and mildew)</p> <p>ACCEPTED with COMMENTS in EPA Letter Dated: JUN 19 2003</p> <p>Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 48737-1</p>	<p>8 oz./gallon 2 oz./quart 1 oz./pint</p>	<p>DIP/SOAK: Dilute AM-7 in water; mix well. Use appropriate sized wash basin or tub for dipping/soaking the item you are treating. Use enough AM-7 solution to completely submerge item. Keep item in solution for 3 minutes. Remove item and wring excess liquid. Drying may be attained by dripping or wringing excess liquid from 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 AM-7 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.</p> <p>SPRAY: Dilute 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 inches 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 AM-7 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.</p>
<p>Air filters and air filter material for: furnaces, air conditioners, air purification systems, automobiles, recirculating air handling systems, vacuum cleaner filters, aquariums</p>	<p>Odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew) and algae</p>	<p>8 oz./gallon 2 oz./quart 1 oz./pint</p>	<p>SPRAY: Dilute 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 inches from the surface making sure the surface is completely covered. Apply and then let stand until dry. If necessary, reapply AM-7 every three months or when odor, staining and discoloration due to bacteria, mold stains, mildew stains and algae stains return.</p>

AM-7 Master Label

13/17

Application Site	Pest Controlled	Dilution Rate	Method of Application
<p>Carpeting</p>	<p>Odor causing bacteria, bacteria which cause staining and discoloration and fungi (mold and mildew)</p> <p>ACCEPTED with COMMENTS in EPA Letter Dated: JUN 19 2003</p> <p>Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 48737-1</p>	<p>8 oz./gallon 2 oz./quart 1 oz./pint</p>	<p>SPRAY: Dilute 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 inches from the surface making sure the surface is completely covered. For rotary jet extraction cleaners and carpet steamers, add the diluted AM-7 solution directly to the cleaning tank, then operate the equipment in accordance with manufacturer's instructions. Apply and then let stand until dry. Test staining and color-fastness of carpets by treating and drying a small concealed area prior to application. AM-7 treats approximately 200 square feet per diluted gallon of water. When treating coarser substrates (e.g., wool carpeting), more AM-7 may be required due to absorption. Dry carpet areas and surfaces before re-entry. A fan may be used to assist in drying carpeting. Remove children and pets from treated area until completely dried. If necessary, reapply AM-7 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.</p>
<p>Mattress pad and mattress ticking and upholstery composed or 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>Odor causing bacteria, bacteria which cause staining and discoloration and fungi (mold and mildew)</p>	<p>8 oz./gallon 2 oz./quart 1 oz./pint</p>	<p>SPRAY: Dilute AM-7 in water; mix well. Clean surface prior to application. Using a trigger pump sprayer, spray the entire surface area 4 – 6 inches from the surface making sure the surface is completely covered. Apply and then 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. When applying to mattress pads and ticking do not soak. Remove children and pets from treated areas until completely dried. If necessary, reapply AM-7 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.</p>

AM-7 Master Label

14/1/17

Application Site	Pest Controlled	Dilution Rate	Method of Application
<p>Tents, tarpaulins, [redacted] sails, ropes</p>	<p>Odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew) and algae</p> <p>ACCEPTED with COMMENTS in EPA Letter Dated: JUN 19 2003</p> <p>Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA</p> <p>48737-1</p>	<p>8 oz./gallon 2 oz./quart 1 oz./pint</p>	<p>DIP/SOAK: Dilute AM-7 in water; mix well. Use appropriate sized wash basin or tub for dipping/soaking the item you are treating. Use enough AM-7 solution to completely submerge item. Keep item in solution for 3 minutes. Remove item and wring excess liquid. Test staining and color-fastness of fabric [redacted] 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. Remove excess liquid before attempting to dry in a clothes dryer. If necessary, reapply AM-7 every three months or when odor, staining and discoloration due to bacteria, mold stains, mildew stains and algae stains return.</p> <p>SPRAY: Dilute 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 inches from the surface making sure the surface is completely covered. Apply and then 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 AM-7 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.</p>
<p>Roofing materials such as shingles, roofing granules, wood shakes, felt, stone, synthetic overcoats. [redacted]</p>	<p>Odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew) and algae</p>	<p>8 oz./gallon 2 oz./quart 1 oz./pint</p>	<p>SPRAY: Dilute AM-7 in water; mix well. Make sure the roof is clean prior to application. Using a pressure sprayer spray the entire surface area 6 - 12 inches from the surface making sure the surface is completely covered. After applying the dilute solution of AM-7, let stand until dry. AM-7 treats approximately 200 square feet of roofing per diluted gallon of water. If necessary, reapply AM-7 every three months or when odor, staining and discoloration due to bacteria, mold stains, mildew stains, and algae stains return.</p>

15/17

AM-7 Master Label

Application Site	Pest Controlled	Dilution Rate	Method of Application
Buffer pads (polishing and abrasive). Polyurethane and cellulose for household sponges and mops, vacuum cleaner bags, umbrellas, casual shoes, athletic shoes.	Odor causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew)	8 oz./gallon 2 oz./quart 1 oz./pint	SPRAY: Dilute 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 inches 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. If necessary, reapply AM-7 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.
Tubs, glazed tiles, vanity tops, shower curtains, shower stalls (areas), sinks, washable walls, wall paper for non-food contact, floors, window sills, cabinets, garbage cans, appliances, refrigerators (exterior), fiberglass, Formica, glazed tiles, glazed porcelain, synthetic marble, plastic, vinyl	Odor causing bacteria, bacteria which cause staining and discoloration, and fungi (mold and mildew)	8 oz./gallon 2 oz./quart 1 oz./pint	SPRAY: Dilute AM-7 in water; mix well. Using a trigger pump sprayer, spray the entire surface area 4 – 6 inches 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. If necessary, reapply AM-7 every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.

ACCEPTED
with COMMENTS
in EPA Letter Dated
JUN 19 2003

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. 48737-1

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: [Commercial or Industrial Uses] 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.

[For Homeowner Use] Securely wrap original container in several layers of newspapers and discard in trash.

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,

16/17

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.

List of Optional Marketing Statements to be Added to Final Printed Label:

Mold, Mildew, Odor Protector and Inhibitor AM-7 is an antimicrobial agent effective against odor causing bacteria.

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

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

AM-7 is an antimicrobial agent effective against algae.

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

Bacteriostatic, fungistatic (mold and mildew), algaestatic.

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

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 modern hard non-porous washable surfaces like fiberglass, glazed porcelain, Formica, stainless steel, synthetic marble.

Imparts microbiostatic properties.

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.

Resists development of microbial odors.

Resists development of stains and discoloration due to bacteria.

Resists development of stains due to fungi (mold and mildew).

Resists stains due to algae.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

JUN 19 2007

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No.

48737-1

17/17

Resists development of microbial odors, stains and discoloration due to bacteria, fungi (mold and mildew), and algae.

Provides/creates an invisible barrier to inhibit the growth of odor causing bacteria.

Provides/creates an invisible barrier to inhibit the growth of bacteria which cause staining and discoloration.

Provides/creates an invisible barrier to inhibit the growth of fungi (mold and mildew).

Provides/creates an invisible barrier to inhibit the growth of algae.

Provides/creates an invisible barrier to inhibit the growth of odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae.

*Note: Any claims for paint use must be for the preservation of the paint in the can.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

JUN 19 2003

JUN 19 2003

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No.

48737-1