



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

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Technology Sciences Group Inc.
c/o for Nanobiomatters Bactiblok, S.L.
1150 18th Street, Suite 1000
Washington, DC

OCT 19 2011

Attention: Erin Tesch
Regulatory Specialist

Subject: Bactiblock® 101 RP1.47
EPA Reg. No. 87722-3
Amendment Letter Dated September 20, 2011

The following amendment, submitted in connection with registration under section 3(c)(7)(A) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable

Submit and/or cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) and section 4(a) when the Agency requires all registrants of similar products to submit such data.

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

A stamped copy of the accepted labeling is enclosed. Submit three copies of your final printed labeling to the Agency before distributing or selling the product bearing the revised labeling.

If you have any questions concerning this letter, please contact Demson Fuller at (703) 308-8062.

Sincerely,

A handwritten signature in black ink, appearing to read "M. Swindell", written over the typed name.

Marshall Swindell
Product Manager (33)
Regulatory Management Branch 1
Antimicrobials Division (7510C)

cc: Zuhel Tomkins

BactiBlock® 101 RP1.47

[Alternate Brand Name: BactiBlock® 101 RP1.43]

A preservative and bacteriostatic agent for use in the manufacture of polymer, polymer for kitchen countertops, paint, plastic and latex products.
For commercial and industrial use only.

ACCEPTED
with COMMENTS
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Active Ingredient

Silver 0.5 %

Other Ingredients 99.5 %

Total 100.0 %

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No.
87722-3

KEEP OUT OF REACH OF CHILDREN

DANGER

FIRST AID	
If in eyes	<ul style="list-style-type: none"> • 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 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 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 by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
If swallowed	<ul style="list-style-type: none"> • Call 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. • Do not give anything by mouth to an unconscious person.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	

SEE SIDE [BACK] OF LABEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

Manufactured by:
Nanobiomatters BactiBlock, S.L.
C/ Louis Pasteur, 11 Nave-5 y 6
46980 – PATERNA
VALENCIA, SPAIN

EPA Reg. No. 87722-3
EPA Est. No.

Net Wt.
Batch Code/Lot No.

Directions for Use

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

BactiBlock® 101 RP1.47 is an antimicrobial additive to be used by compounding into many polymeric materials. It is designed to be incorporated during and after the manufacturing process to impart antimicrobial activity to the manufactured products. Approved post manufactured product upgrade applications are detailed in the label section titled "Coatings for Upgrade Applications." *BactiBlock® 101 RP1.47* suppresses the growth of algae, mold, mildew, fungi and bacteria which cause unpleasant odors, discoloration, staining, deterioration or corrosion only. No finished product incorporating *BactiBlock® 101 RP1.47* may make any public health claims relating to antimicrobial activity without first obtaining an EPA registration for the finished product which permits such claims. When incorporated into treated articles, this product does not protect users of any such treated article or others against food borne or disease causing bacteria, viruses, germs or other disease causing organisms.

This product may not be used for any applications involving food contact, food packaging, or drinking water.

FDA has determined this product to be exempt from regulation under 21 CFR 170.39, *Threshold of Regulation for Substances Used in Food Contact Articles*.

Do not incorporate this product into any food contact polymer unless the subject food contact polymer is approved and listed in 21 CFR, Part 174 through 186 (inclusive), or the United States Food and Drug Administration's "Food Contact Substance Notification System." Any incorporation of this product into an approved and listed food contact polymer must comply with the specific use conditions listed in 21 CFR, Parts 174 through 186 (inclusive), or in the United States Food and Drug Administration's "Food Contact Substance Notification System," for such food contact polymer. Any incorporation of this product into any food contact substances (including but not limited to non-polymer substances) other than an approved and listed food contact polymer is prohibited.

Types of Finished Products

Plastics - including films, sheets, slabs, and molded plastic parts

The additive may be incorporated into the finished product at up to 5.0% by weight or at least 0.1% for bulk plastics. Contact Nanobiomatters BactiBlock, S.L. to determine the appropriate amount of *BactiBlock® 101 RP1.47* for individual finished products.

Non-food contact uses only:	
<ul style="list-style-type: none"> • automobile parts • shower curtains • mats • protective covers • tape • waste containers • brush handles • mops • vacuum cleaner bags • plumbing supplies and fixtures (including toilet bowl seats) • drain pan liners • office equipment and supplies (including binders, filing and storage systems, pens, pencils, markers, printers, facsimile machines, photocopiers, desk accessories, computers, keyboards, mice, scanners, and printers) • exercise equipment • sports equipment • Bathroom countertops • gaskets 	<ul style="list-style-type: none"> • siding for housing • bathroom hardware • flooring • floor coverings • footwear (including boots, sports equipment and tools) • insulation for wire and cable • insulators • indoor and outdoor furniture • spas, bathtubs, showers and filters and components • telephones, mobile devices, head phones, headsets and accessories • cameras and imaging equipment • televisions and remote controls • general purpose containers • tubing • liners • non-woven fabrics • switches

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Under the Federal Insecticide,
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amended, for the pesticide,
registered under EPA Reg. No. 87722-3

Food contact uses:	
Kitchen countertops	

Fibers

The additive may be incorporated into the finished product at up to 5.0% by weight or at least 0.1% for fibers. Contact Nanobiomatters BactiBlock, S.L. to determine the appropriate amount of *BactiBlock® 101 RP1.47* for individual finished products.

Non-food contact uses only:	
<i>Interior furnishings</i> <ul style="list-style-type: none"> • mattress cover pads and filling • pillow covers • sheets • blankets • fiberfill for quilts and pillows • curtains • draperies • carpet and carpet underlay • rugs • upholstery • mops • towels • wall covering fabrics • cushion pads • sleeping bags 	<i>Transportation –</i> <ul style="list-style-type: none"> • automotive and truck upholstery • carpeting • rear decks • trunk liners • convertible tops • interior liners
<i>Apparel –</i> <ul style="list-style-type: none"> • umbrellas • outerwear • sportswear • sleepwear • stockings • socks and hosiery • caps • undergarments • inner liners for jackets • trim for outerwear and garments 	<i>Industrial and Other Household Items -</i> <ul style="list-style-type: none"> • artificial leather • filters • book covers • mops • cloth for sails • ropes • tents and other outdoor equipment • tarps • awnings • artificial grass

Coatings, Films and Laminates

The additive may be incorporated into the coating, film or laminate applied to the finished product at up to 5.0% by weight, or at least 0.1% for paper or 0.1% for bulk plastics. Contact Nanobiomatters BactiBlock, S.L. to determine the appropriate amount of *BactiBlock® 101 RP1.47* for individual finished products. Types of coatings include water-borne, solvent-borne, 100% solids, radiation cure, liquid and powder.

Non-food contact uses only:	
<ul style="list-style-type: none"> • walls • wallboard • floors • fences • rails • concrete • siding • roofing • shingles • industrial equipment • furniture • arm rests and backrests 	<ul style="list-style-type: none"> • bed frames • tables • shelving systems • storage systems • automotive and vehicular parts • packaging • paper products (including wall coverings, towels, book covers) • barrier fabrics • glazing for cement tile • glazing for vitreous china used in plumbing fixtures (including toilets, sinks) • spas, bathtubs, showers, and filters and components

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Coatings for Upgrade Applications

Upgrade Applications are defined as the incorporation of *BactiBlock® 101 RP1.47* into polymeric coatings that are applied to articles onsite (after the article has been manufactured and is in the place of use). Coatings may be used on articles that have not previously incorporated the antimicrobial compound. *BactiBlock® 101 RP1.47* may be incorporated into the finished coating at up to 5% by weight, or at least 0.1% of the coating. Types of coatings include waterborne coatings/adhesives, solvent borne coatings and two part reactive coatings consisting of a resin and curing agent. Upgrade Applications are for onsite application at Commercial, Industrial or Institutional Establishments. Unless otherwise specified, the coating is applied to the entire article. Contact Nanobiomatters BactiBlock, S.L. to determine the appropriate application technique and amount of *BactiBlock® 101 RP1.47* for individual products.

Non-food contact uses only:

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| <ul style="list-style-type: none"> chemical transportation equipment including railcars, tankers, trailers and components thereof | <ul style="list-style-type: none"> building materials and components (including walls, ceilings and floors consisting of concrete, gypsum board, and cellulose ceiling tile) |
|--|---|

Incorporate this product into coatings that are intended for application to the surface of articles. The purpose of the coating is to seal the article from moisture and corrosion. The purpose of *BactiBlock® 101 RP1.47* in the coating is to inhibit the growth of mold, mildew, fungus and bacteria that cause odor, discoloration, staining, deterioration or corrosion on the surface of the coating film. The product protects the applied coating itself from microorganism attack, not the underlying substrate. This product is not intended for remediation, prevention or control of existing or anticipated public health related microorganisms.

Paints

The additive may be incorporated into the finished product at up to 5.0% by weight or at least 0.1% for paint. Contact Nanobiomatters BactiBlock, S.L. to determine the appropriate amount of *BactiBlock® 101 RP1.47* for individual finished products.

Non-food contact uses only:

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| <ul style="list-style-type: none"> Interior paints and coatings | |
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Adhesives and Sealants

The additive may be incorporated into the finished product at up to 5.0% by weight, or at least 0.1% for paper or 0.1% for bulk plastics. Contact Nanobiomatters BactiBlock, S.L. to determine the appropriate amount of *BactiBlock® 101 RP1.47* for individual finished products.

Non-food contact uses only:

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| <ul style="list-style-type: none"> adhesives used in the manufacture of wood and plastic composites adhesives for ceramic tile, wood, paper, cardboard, rubber and plastic glazing for windows grout sealants for pipes | <ul style="list-style-type: none"> adhesives, sealants and insulating materials for appliances, bathrooms, showers, kitchens and construction plumbing adhesives grout and joint compound for countertops, building materials and components |
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Miscellaneous Applications

The additive may be incorporated into the finished product at up to 5.0% by weight. Contact Nanobiomatters BactiBlock, S.L. to determine the appropriate amount of *BactiBlock® 101 RP1.47* for individual finished products.

Non-food contact uses only:

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|--|--|
| <ul style="list-style-type: none"> toilets sinks tile flooring | <ul style="list-style-type: none"> stucco plaster cat litter drainage and sewage pipes |
|--|--|

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Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 89922-3

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PRECAUTIONARY STATEMENTS

Hazards to Humans

DANGER. Corrosive. Causes irreversible eye damage. Causes skin burns. . Do not get in eyes, on skin, or on clothing. Wear (specific appropriate eyewear such as goggles, face shield, or safety glasses, and appropriate protective clothing and gloves). Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

Storage and Disposal

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

Pesticide Storage: Do not store in areas accessible to children.

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, or by other procedures approved by State and local authorities. **Pesticide Disposal:** Pesticide wastes are acutely hazardous. Improper disposal of pesticide, prepared solutions, or rinsate is a violation of Federal law. If wastes cannot be disposed of according to label directions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative of your nearest EPA Regional Office for guidance.

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