

88999-1

5/17/2012

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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: 88999-1

Date of Issuance: MAY 17 2012

Term of Issuance: Unconditional

Name of Pesticide Product: Sanitect

NOTICE OF PESTICIDE:
[x] Registration
[] Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Northern Biotechnologies LLC
3820 Ohio Ave. Suite 8-9
St. Charles IL, 60174s

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 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 (OPP Decision No. D-460340) 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 re-registration of your product under FIFRA section 4.

2. Make the labeling changes listed below before you release the product for shipment:

a. Revise the "EPA Registration Symbol to read, "EPA Reg. No 88999-1

Signature of Approving Official

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

Date:

MAY 17 2012

CONCURRENCES

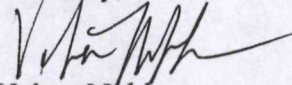
Table with columns for SYMBOL, SURNAME, and DATE, used for recording concurrences.

A stamped copy of the accepted labeling with conditions is enclosed. Submit 1 copy of your final printed label before distributing or selling the product bearing the revised labeling.

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

Sincerely,



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

Enclosure: Stamped Label

Sanitect

ANTIMICROBIAL AGENT

A SILICONE QUATERNARY AMMONIUM SALT

EPA Reg. No. 88999-1

EPA EST. No. 88999-IL-1

Active Ingredient: 3-(TRIMETHOXYSILYL) PROPYLDIMETHYLOCTADECYL AMMONIUM CHLORIDE...	72%
Inert Ingredients:.....	28%
TOTAL.....	100%

CONTAINS OVER 12% METHANOL

Northern Biotechnologies LLC.
3820 Ohio Ave. Suites 8-9
St. Charles IL, 60174

KEEP OUT OF REACH OF CHILDREN

DANGER!  **POISON** 

FIRST AID

Have product container or label with you when calling Poison Control or doctor, or going for treatment

If Inhaled: Move person to fresh air.
If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible.
Call a Poison Control Center or doctor for treatment advice

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes.
Remove contact lenses, if present, after first 5 minutes, and then continue rinsing.
Call a Poison Control Center or doctor for treatment advice

If in skin or clothing: 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: Call a Poison Control Center immediately for treatment advice.
Have a person sip a glass of water if able to swallow.
Do not induce vomiting unless told to do so by a Poison Control Center doctor.
Do not give anything by mouth to an unconscious person.

ACCEPTED
5/17/2012

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 88999-1

**PRECAUTIONARY STATEMENTS
HAZARD TO HUMANS AND DOMESTIC ANIMALS**

DANGER! CORROSIVE! CONTAINS 12% METHANOL. CAUSES IRREVERSIBLE EYE DAMAGE AND SKIN IRRITATION. May be harmful if swallowed or absorbed through the skin. May be fatal if inhaled. Do not get in eyes, on skin, or on clothing. Wear protective eyewear, rubber gloves, NIOSH approved respirator, and protective clothing. Do not breathe vapor. Appropriate measures should be taken to prevent the accumulation of hazardous concentrations of methanol vapors in the work area. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Remove and wash contaminated clothing before reuse.

ENVIRONMENTAL HAZARDS

THIS PESTICIDE IS TOXIC TO FISH AND AQUATIC INVERTEBRATES. 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.

Every effort should be made to contain accidental spills of concentrate to the immediate area. This may be accomplished by the use of sandbags or barrier material to confine the spill to facilitate cleanup and disposal. Contaminated sand or barrier material may then be disposed of by burial in an approved landfill. Many spills may be cleaned up with rags or other absorbent materials by wiping, soaking, and/or mopping and allowing the liquid to absorb onto the material. The absorbent material may then be disposed of by incineration or landfill. Floor drains in area of material use should be protected with absorbent material or barrier material to contain accidental spills.

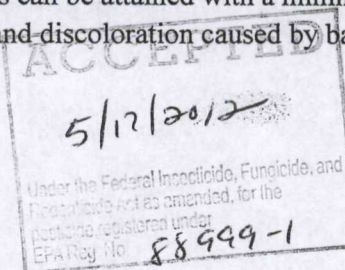
Inactivation of solutions containing **Sanitect** Antimicrobial may be accomplished by addition of an anionic surfactant, or detergent in quantity equivalent to that of **Sanitect** Antimicrobial in solution.

PHYSICAL OR CHEMICAL HAZARDS

FLAMMABLE. Keep away from heat and open flame.

PRODUCT FEATURES AND BENEFITS

Sanitect imparts durable biostatic activity to the surface of a wide variety of substrates. **Sanitect** is effective against mold, mildew and algae as a static agent. Increased efficiency-through proper application, durable bacteriostatic, fungistatic and algistatic surfaces can be attained with a minimum amount of **Sanitect**. Provides freshness and combats deterioration and discoloration caused by bacteria, fungi and algae.



DIRECTIONS FOR USE

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

FOR INDUSTRIAL USE ONLY

This product is registered for formulation into Antimicrobial Products or as a Microbiostatic agent for material preservation; neither this product nor the articles treated with this product may state or imply any public health claims. Articles or substances treated with this product will be exempt from FIFRA regulation pursuant to 40 CFR 152.25 (a) If the intended use for incorporating this material into a treated article or substance is for the protection of the article or substance itself.

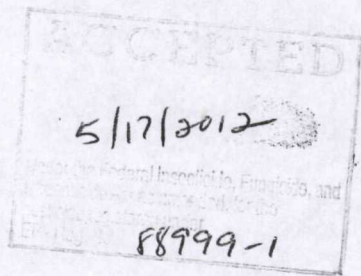
APPROVED USES: SANITECT

May be applied to or incorporated into manufactured products listed below for use in industrial, institutional, commercial or residential locations for non-food contact uses.

Plastics, fiberglass, metals, glass, wood, ceramics, stone, natural materials, composites: including air filters for furnaces, air conditioners, air purification devices, automobiles, and recirculating air handling systems; aquariums; filters; filter media; automotive and vehicular parts; roofing materials (tiles, shakes, shingles, granules, stone, membranes, felt, underlayment, and synthetic overcoats); building materials and components (including siding, wallboard, wood, wood composites, insulation and non-food contact cabinetry); ceiling tiles; concrete products; non-food contact conveyor and humidifier belts; non-food contact countertops; fiberglass duct board for air handling systems; floor covering; flooring; general purpose (non-food contact) containers; furniture; bathroom and non-food contact kitchen hardware; mats plumbing supplies and fixtures; sheet and formed glass; sponges and mops; vacuum cleaner bags and filters; foam for packaging and cushioning in non-food contact applications.

Fibers, fabrics (natural and synthetic, woven and non-woven), leather and household materials (natural and synthetic): including buffer pads (abrasive and polishing); mattress cover pads, filling and ticking; pillow covers; sheets; blankets; bedspreads; fiberfill for upholstery, apparel, recreational gear, quilts and pillows; curtains; draperies; carpet and carpet underlay; rugs; upholstery; towels; shower curtains; toilet tank and seat covers; wall covering fabrics and wallpaper (including vinyl) for non-food contact surfaces; umbrellas' fire hose fabric; non-woven disposable diapers; wiping cloths; pre-moistened towelettes and tissue wipes (these do not impart pesticidal properties); apparel including outerwear, sportswear, sleepwear, socks, hosiery, undergarments, gloves and uniforms; footwear (boots, shoes, and components); sports equipment and athletic gear; cloth for sails, ropes, tents, and other outdoor equipment; sand bags; tarps; awnings; book covers; pictures.

Miscellaneous Manufactured Products: disposable foam cushion for Lapidus Airfloat Systems: foam used as a growth medium for non-food crops and plants.



HOW TO USE

MSDS INFORMATION

BEFORE HANDLING, READ PRODUCT AND MATERIAL SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE MATERIAL SAFETY DATA SHEET CAN BE OBTAINED BY WRITING TO PIEDMONT. A MATERIAL SAFETY DATA SHEET FOR TYPICAL USE DILUTION AQUEOUS SOLUTION IS ALSO AVAILABLE.

Wear goggles or face shield, protective clothing, rubber gloves, and NIOSH approved respirator when handling the concentrated material. Use with proper ventilation. Undiluted **Sanitect** contains 12 percent methanol. Avoid breathing vapors. Keep away from heat and open flame. Methanol is released during mixing, application and drying. If desired, methanol removal may be accelerated of hazardous concentrations of methanol vapors in the work area.

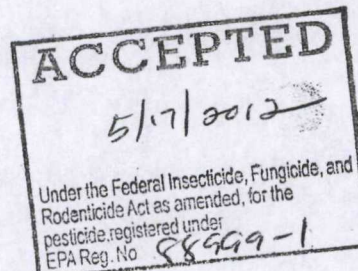
Sanitect can be applied to organic and inorganic surfaces as a dilute aqueous solution to give 0.1 to 1.0 percent by weight of active ingredients. Aqueous solutions can be prepared by simply adding the antimicrobial agent to water with stirring. NOTICE: Poor agitation when adding this silane to water can result in locally high concentrations, which may form gel particles. Surfaces can be treated with the aqueous solution by brushing, dipping, padding, soaking, spraying or fogging until adequately wet or applying by foaming techniques. After applying treatment, the surface should be allowed to dry at temperatures from ambient to a maximum of 160°C (320°F) to effect complete curing of silanol groups and to remove water, solvents and/or traces of methanol from hydrolysis. Curing of polymer may be accelerated or enhanced with heat or catalysis. For each application, determine optimum application and drying conditions, such as time and temperature before us. If desired, reapply **Sanitect** if odor, staining and discoloration due to bacteria, mold or mildew occur.

Incorporate **Sanitect** directly into formulations used to make end-use products, or dilute with water or with organic solvents such as Alcohols, ketones, waters, hydrocarbons and chlorinated hydrocarbons and then apply it to the organic and inorganic surfaces to give 0.1 to 1.0 percent by weight of active ingredient.

**STORAGE AND DISPOSAL
PESTICIDE IS ACUTELY HAZARDOUS**

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

STORAGE: Store in original, tightly closed container in an area inaccessible to children and away from food or feed. Moisture sensitive. Keep tightly closed until ready to use. Reclose tightly after each use. When stored in original, unopened containers at or below 25°C (77°F) **Sanitect** has a minimum shelf life of 12 months from date of shipment.



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 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

Do not reuse containers. Do not cut or weld containers. Triple rinse (or equivalent) empty containers. 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. This container will have vapor and/or product residues when emptied. All hazard precautions on label must be observed when handling emptied container.

NOTICE: NORTHERN BIOTECHNOLOGIES

Warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated in the labeling 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 written instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use. **NORTHERN BIOTECHNOLOGIES SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY INCLUDING THE WARRANTY OF MERCHANTABILITY.**

ACCEPTED
5/17/2012
Under the Federal Insecticide, Fungicide, and
Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. 88999-1