

75100-1

11/21/2005

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ChitoSante
11/18/05 Section 3 Registration MASTER Label
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ChitoSante™

Antimicrobial for Textiles and Surfaces
Inhibits Growth and Odor from Bacteria, Mold, Mildew and
Fungi

ACTIVE INGREDIENT:	% w/w
Chitosan	6.00%
OTHER INGREDIENTS:	94.00%
Total	100.00%

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

FIRST AID STATEMENTS

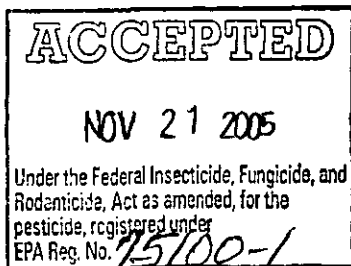
IF IN EYES

- 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.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

EPA Reg. No. 75100-1
EPA Est. No. 075100-TWN-001

Net Contents:



VA & G Bioscience, Inc.
7, Ding-Hu 7th Street, Gueishan
Taoyuan, Taiwan 333, R.O.C.

ENVIRONMENTAL HAZARDS

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or public waters unless in accordance with the requirements of 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 into sewer without previously notifying the sewage treatment plant authority. For guidance, contact your State Water Board or regional Office of the EPA.

DIRECTIONS FOR USE

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

ChitoSante' is intended as a treatment in order to give antimicrobial and antifungal activity to the treated materials. ChitoSante' inhibits the growth of non-health related organisms such as bacteria, mold, mildew and fungus that cause odor, stains, discoloration, decay and deterioration of the treated materials. Distributors of products containing ChitoSante' may not make claims of antimicrobial activity other than the protection of the treated material against the growth of bacteria, mold, mildew and fungi in or on the treated product. See 40 C.F.R.152.25(a) for further guidance about treated article claims.

COMMERCIAL/INDUSTRIAL USE

ChitoSante' is used in the finishing process of manufacturing textiles, including carpet. ChitoSante' should always be applied to textiles during the dyeing process, at a ratio of 1 part ChitoSante' to 50 – 100 parts soft water. Apply approximately 1-2% ChitoSante' relative to the dry weight of the textiles. The textile materials should be soaked in this bath solution to achieve good saturation and penetration of fibers. After soaking, textile materials should be dried at a temperature of 70-170 degrees C.

For surface applications to textiles, paper, leather, textile wall partitions and wallboard, apply as a spray, direct surface application (kiss roll, flood nip) or foam at a rate of 3-12 fluid ounces of ChitoSante' per gallon of water, depending upon surface texture and absorption qualities of textile [See Table 1].

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Table 1.

<u>Textile</u>	<u>Absorption</u>	<u>Solution</u>	<u>Level</u>	<u>10 oz/sq. yd</u>
Nylon	Low	12 fl. oz	1 %	0.12 fl. oz/gal
Polyester	Moderate	6 fl. oz	1%	0.25 fl. oz/gal
Cotton	High	3 fl. oz	1%	0.50 fl. oz/gal

[Double amount for 2% solutions]

PROFESSIONAL APPLICATOR USES

Dilute ChitoSante' with water at a ratio suitable for spray equipment and surface to be treated. Apply at a rate of 1-2% per weight of the material to be treated.

For vehicle interiors, dilute 6 fl. oz. ChitoSante' with 1 gallon of water, spray 3 fl. oz. of solution per average size car. Use more solution to cover larger vehicles.

For carpet cleaners, dilute 6 fl. oz. ChitoSante' per gallon of water. One gallon of solution treats 30 sq. yds of 20 oz/sq. yd. weight carpet at 1%.

DOMESTIC INDOOR USES

Home use (washing machine): add 1 ounce per gallon of water to final rinse than dry. [See Table 2]:

Table 2. Mixing Instructions for a 1% Application Rate (double for 2%)

<u>Textile</u>	<u>Absorption</u>	<u>8 Gallons</u>	<u>12 Gallons</u>	<u>15 Gallons</u>
		<u>Small Load</u>	<u>Medium Load</u>	<u>Large Load</u>
Nylon	Low	5 cups	7 cups	9 cups
Polyester	Moderate	2 cups	3 cups	4 cups
Cotton	High	1 cups	2 cups	3 cups

Home use treatment of textiles remains effective for several washings. Thus, repeat application is not required for each washing.

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Home use (spray): add 3 ounces per gallon of water; thoroughly soak textiles to be treated. [See Table 3].

Table 3. Amount of ChitoSante' for Spray Applications (1% solution)

<u>Textile</u>	<u>Absorption</u>	<u>Solution</u>	<u>Light Material</u>	<u>Heavy Material</u>
Nylon	Low	12 fl. oz/gal	0.06 fl. oz/sq.yd	0.25 fl. oz/sq. yd
Polyester	Moderate	6 fl. oz/gal	0.12 fl. oz/sq.yd.	0.5 fl. oz/sq. yd.
Cotton	High	3 fl. oz/gal	0.25 fl. oz/sq.yd.	1.0 fl. oz/sq. yd

To spray textile covers (boat, car seat/cover, sofa): add 1 ounce per gallon of water; apply at a rate of 2 ounces per square foot of material. Dry thoroughly before using.

To spray textile surfaces (curtains, mattress, carpet): add 3 ounces per gallon of water, apply as a spray at a rate of 2 ounces of solution per square foot of material. Dry thoroughly.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE:

Store in original container in a cool, dry place, away from sunlight and out of the reach of children and pets.

PESTICIDE DISPOSAL:

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

CONTAINER DISPOSAL:

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.

BULK CONTAINERS:

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.

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NOTICE OF WARRANTY

VA & G Bioscience, Inc. warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with the label directions under normal conditions of use. VA & G Bioscience, Inc. makes no other express or implied warranties either of merchantability or fitness for a particular use. Handling, storage and use of the product by Buyer or User are beyond the control of VA & G Bioscience, Inc. and Seller. Risks such as ineffectiveness or other unintended consequences resulting from, but not limited to, failure to follow label directions will be assumed by the Buyer or User. In no case will VA & G Bioscience, Inc. or Seller be held liable for consequential, special or indirect damages resulting from the handling, storage or use of this product.

The terms of this Limited Warranty and Disclaimer cannot be varied by any written or verbal statements or agreements. No employee or agent of the seller is authorized to vary or exceed the terms of this Limited Warranty and Disclaimer in any manner.

Produced by
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