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U.S. ENVIRONMENTAL PROTECTION AGENCY

Antimicrobials Division (7510P)
1200 Pennsylvania Avenue N.W.
Office of Pesticide Programs
Washington, D.C. 20460

EPA Reg. Number: 86110-1

Date of Issuance: Aug. 5, 2009

Term of Issuance: Conditional

Name of Pesticide Product: Superclear T100

NOTICE OF PESTICIDE:

- X Registration
Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Pulcra Chemicals, LLC
3304 Westinghouse Boulevard
Charlotte, N.C. 28273

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 re-registration of your product under FIFRA section 4.

2. Change EPA File Symbol 86110-R to EPA Registration Number 86110-1.

Submit final labeling for our records.

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.

A stamped copy of the label is enclosed for your records.

D 407913

Signature of Approving Official:

Emily H. Mitchell
Product Manager 32
Antimicrobials Division (7510P)

Date:

August 5, 2009

Pulcra Chemicals

Superclear[®] T100

BACTERIOSTAT

ACTIVE INGREDIENT:

5-chloro-2-(2,4-dichlorophenoxy)-phenol.....99.9%
Other Ingredients.....0.1%
TOTAL: 100.0%

Keep Out of Reach of Children

CAUTION

See additional precautionary statements and directions for use on the side panel.

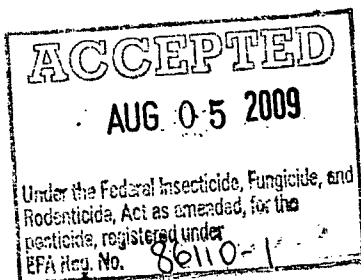
EPA Reg. No. 86110-_____
EPA Est. No. [Insert Number Here]

Net Weight: _____ LBS./ _____ KG.

Batch Code _____

IMPORTANT: Read the entire directions for use before using this product

Manufactured [by] [for]:
PULCRA CHEMICALS LLC
3304 Westinghouse Boulevard
Charlotte, NC 28273



PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Harmful if inhaled. Harmful if swallowed or absorbed through skin. Avoid contact with eyes, skin and clothing. Do not breath dust, vapor or spray mist. Wear a mask or a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with any N, R, P, or HE filter. Wash thoroughly with soap and water after handling and before eating, drinking, and chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

FIRST AID

IF INHALED:	Move person to fresh air. If not breathing, call 911 or ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
IF SWALLOWED:	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 poison control center or doctor. Do not give anything by mouth to an unconscious person.
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 further treatment advice.
IF ON 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 further treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-262-8200 for emergency medical treatment.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic vertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public 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.

DIRECTIONS FOR USE

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

USE DIRECTIONS: Superclear[®] T100 is an end-use (EP) bacteristat agent for the manufacture of polymer/plastic and textile products only. Not for Diaper Laundry Application.

Please refer to the Technical Bulletin for information concerning uses.

STORAGE AND DISPOSAL

DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL.
PESTICIDE STORAGE: Store below 130°F.
PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.
CONTAINER DISPOSAL:
[FIBER DRUMS WITH PLASTIC LINERS:] Non-refillable container. Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of liner in a sanitary landfill or by incineration if allowed by state and local authorities. Drum cannot be reused. Offer drum for reconditioning, if appropriate. If reconditioning is not available, dispose of drum in the manner required for its liner.
[PLASTIC CONTAINERS:] Non-refillable container. Do not reuse or refill this container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. If recycling is not available, 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.
SPILLS: For minor spills, shovel into an approved disposal container, vacuum contaminated areas. Avoid creating dusty conditions. Take special precaution to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes. In the event of a major spill, fire, or other emergency, call 1800-262-8200 day or night.

2016

SUPERCLEAR® T100

EPA Reg. No. 86110-___

TECHNICAL BULLETIN

Broad-spectrum bacteriostat for use in the manufacture of polymer/ plastic and textile products.

SUPERCLEAR® T100 is an end-use (EP) bacteriostatic agent for the manufacture of polymer/ plastic and textile products. SUPERCLEAR® T100 is effective against non-health related organisms which contribute to the deterioration, discoloration and production of unpleasant odors in polymeric materials.

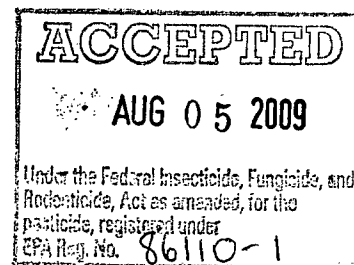
DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Use only under an agreement with Pulcra Chemicals LLC. SUPERCLEAR® T100 is intended for use as an additive into the following materials and substances as part of the manufacturing process in order to provide built-in antibacterial and antifungal activity in manufactured materials and finished products. SUPERCLEAR® T100 inhibits the growth of non- health related microorganisms such as bacteria, mold, mildew, and fungus that may cause odor, stain, discoloration, unsightly texture, decay, or deterioration of physical properties of the material and finished product. Distributors of products containing the additive may not make claims of antimicrobial activity other than the protection of the product against the growth of bacteria, mold, mildew and fungi in or on the treated product. For further guidance on treated article label claims, please refer to 40 C.F.R. §152.25(a) and any additional guidance or policies issued by the U.S. Environmental Protection Agency.

TYPES OF MATERIALS:

Plastics (including films, foams, molded parts, pellets, sheets), fibers/fabrics (including multi-fiber blends, cellulosic natural fibers and synthetic blends with cellulosic fibers) composed of Acetate Acrylic, Acrylonitrile butadiene styrene, Epoxy, Fluoropolymers, Latex, Nitrile copolymers, Nylon, Polychlorophene, Polyester, Polyethylene, Polypropylene, Polystyrene, Polyvinylchloride, Rayon, Rubber (natural & synthetic derivatives), silicone, Urethane & Vinyl and coating/finishes applied to such materials.

Features Bacteriostat for textile treatment: SUPERCLEAR® T100 can be used to control odor-causing and spoilage/deterioration microorganisms on or in textiles and textile fibers.
 Bacteriostat for polymer/plastic treatment:
 SUPERCLEAR® T100 can be added to polymers / plastics to protect the material against direct or indirect effects by microorganisms which can cause deterioration of the physical properties, appearance or odor of the material.



APPLICATIONS

1. Textiles and Fabrics:

Manufactured materials may be used in the following applications such that the finished product contains 0.10% to 2.0% by weight of the active ingredient, except where noted. The additive may be incorporated directly into the fiber or as a finish for the fabric/product.

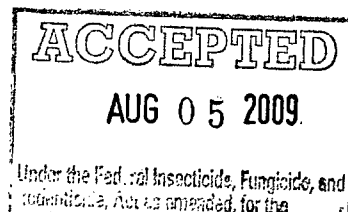
Apparel trimmings and linings	Intimate Apparel (Underwear)
Aprons (food service, home)	Janitorial brushes and brooms
Athletic Wear	Linens (towels, sheets, pillowcases, mattress covers, etc.)
Awnings (Indoor and outdoor)	Mattress and pillow ticking
Bibs	Medical and Dental clothing
Blanket bags	Mops
Blankets	Paper mulch
Brushes	Pillow and mattress stuffing
Carpets and Rugs	Quilt fabric
Conveyor belts	Running apparel
Covers for counter tops	Uniforms
Covers for table tops	Shoes, shoe inner soles and linings
Cubicle curtains	Shower curtains
Door and floor mats	Silage wraps
Dresses	Sporting team uniforms
Exercise equipment	Sportswear
Floor coverings	Sweatshirts/t-shirt
Food Services wipes (towels)	Table clothes, napkins
Furniture fabrics	Tooth brush bristles
Garment bags	Uniforms
Gloves (non-medical)	Wall Coverings
Gowns (medical & consumer)	Wet Suits
Hair brushes	Window curtain and draperies
Hosiery and socks	
Incontinence care products (diapers and underpads) *	

*Use rates of 0.015% to 2.0% for odor control may be used

2. Polymers and plastics

Manufactured materials may be used in the following applications such that the finished product contains 0.10% to 1.0% by weight of the active ingredient. The additive may be incorporated directly into the polymer or as a coating on the final product.

Adhesives	Cutting boards
Agricultural & mulch films	Door & Floor mats
Combs & brushes	Exercise & gym equipment
Containers for cosmetics	Floor coverings (wax, sealers, and coatings)
Conveyor belts	Flooring (concrete, epoxy, component fibers, & coatings of urethane, epoxy etc.)
Counter and Table tops	Floral containers
Currency	Food distribution carts
Cushions	



Food service trays
 Furniture coverings
 Furniture foam cushions
 Garbage bags and trash can liners
 Garbage cans
 Grease traps
 Medical & dental trays
 Menu materials
 Metallic coatings for plumbing fixtures,
 door handles, serving utensils, bed
 pans, and floor drains
 Mop Buckets
 Mops & mop components
 Pallets
 Paper and paperboard products
 Personnel cards (credit cards, driver's
 license, etc)

Playground equipment & furniture
 Portable toilets
 Sponges (Cellulose)
 Shoe inner soles
 Storage Containers (for clothing,
 instruments, electronics, food &
 condiments)
 Tile (wall & floor) & grout
 Toilet Seats
 Toilets and urinals
 Tooth brush handles
 Toys
 Tray liners
 Waste bins
 Wheel for medical carts
 X-ray holders

Chemical and Physical Properties:

Chemical name:	2,4,4'- trichloro-2'-hydroxy-diphenyl-ether
Generic name:	triclosan
CAS number:	3380-34-5
Molecular weight:	289.5
Melting point:	57±1°C
Odor:	Slightly, faintly aromatic
Appearance:	Whitish fine crystalline powder
Purity:	99% minimum
Ash content:	0.1% maximum
Bulk Density:	0.55-0.61 kg/l
Specific Gravity:	1.58±0.03 g/cm ³

Solubility:

SUPERCLEAR® T100 is sparingly soluble in water, moderately soluble in dilute alkaline solutions, and readily soluble in most organic solvents. Clear concentrated solutions can be prepared with water-miscible solvents or surfactants.

Thermal Stability:

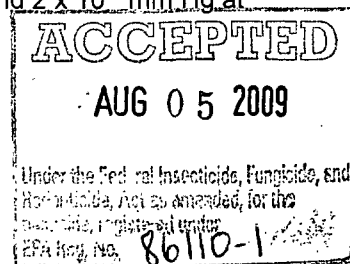
SUPERCLEAR® T100 does not decompose under normal storage conditions. It shows good stability when heated at 200°C for up to 2 hours. Differential scanning calorimetry studies have shown no rapid decomposition of the powder at temperatures below 300°C.

Light stability;

In powder form, SUPERCLEAR® T100 is highly stable to intense radiation, but solutions may show instabilities when exposed to intense UV-light radiation.

Volatility:

The vapor pressure of SUPERCLEAR® T100 is 4 x 10⁻⁶ mm Hg at 20°C and 2 x 10⁻² mm Hg at 100°C.



Conditions of Sale and Warranty

The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Ineffectiveness, or other unintended consequences may result because of such factors as presence of other materials, or the manner of use or application all of which are beyond the control of Pulcra Chemicals LLC ("Pulcra") or the Seller. All such risks shall be assumed by the Buyer.

Pulcra warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use subject to the inherent risks referred to above. Pulcra makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall Pulcra or the Seller be liable for consequential, special, or Indirect damages resulting from the use or handling of this product. Pulcra and the Seller offer this product, and the Buyer and user accept it, subject to the foregoing Conditions of Sale and Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of Pulcra.

No end-use of this product other than as described above is intended or implied by the above conditions of sale and warranty.

PULCRA CHEMICALS LLC
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