DOWICIL™ 150 Antimicrobial

FOR THE CONTROL OF BACTERIA AND FUNGI IN INDUSTRIAL APPLICATIONS

FOR INDUSTRIAL USE ONLY

Active Ingredient(s):
Cis isomer of 1-(3-chloroallyl)-3,5,7-triazaadamantanetraine chloride ---- 96%
Inert Ingredient(s): ----------------------------- 4%

Total: ------------------------------------------ 100%

DIRECTIONS FOR USE

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

DOWICIL 150 Antimicrobial when used according to good manufacturing practices, meets the requirements of Food Additive Regulations 21 CFR 175.105 for use as a preservative for adhesives, 21 CFR 177.1680 for use as a preservative for polyurethane resins in contact with dry bulk foods, 21 CFR 176.170 for preservation of components of paper and paperboard intended for use in contact food and 21 CFR 176.180 for preservation of components of paper and paperboard intended for use in contact with dry foods.

DOWICIL 150 Antimicrobial may be used as a preservative (inert ingredient) in water-based formulations which do not come in contact with food, food crops, feedstuffs, and water supplies, and which are not applied to humans or food producing animals, in concentrations not to exceed 0.14% by wt of the total formulation.

DETERGENTS

To control bacterial deterioration during storage and to increase the shelf life of biodegradable surfactants, add 0.03-0.1% DOWICIL 150 Antimicrobial by wt of the formulation. Add as an aqueous solution.

PAINT VISCOSITY AND FLOOR POLISHES

To preserve water based waxes and polishes during storage, add 0.05-0.15% DOWICIL 150 Antimicrobial by wt of the formulation. Add as an aqueous solution.

ADHESIVES

To prevent pH drop, odor, gas formation, change in viscosity, and the loss of adhesives strength during manufacture, storage, and service, add 0.05-0.5% DOWICIL 150 Antimicrobial by wt of the formulation. Add as a concentrated aqueous solution.

For use in the following types of adhesives:
Starch Based (corn, tapioca, sago, potato, etc)
Add 0.1-0.2% DOWICIL 150 by wt as a concentrated aqueous solution.

Polyvinyl Acetate Emulsions
Add 0.05-0.15% DOWICIL 150 by wt as a concentrated aqueous solution.

Natural Rubber Latex
Add 0.05-0.15% DOWICIL 150 by wt as a concentrated aqueous solution.

Synthetic Gums (e.g. METHOCEL™ methylcellulose gums) and Other Synthetic-Based Adhesives
Add 0.05-0.15% DOWICIL 150 by wt as a concentrated aqueous solution.

*Synthetic adhesives formulations sometimes incorporate natural substances such as starches or proteinaceous materials. To preserve these formulations, use the level of preservative recommended for the adhesive containing only the natural material.

LAUNDRY STARCH

To increase shelf and use life of liquid formulations, add 0.05-0.15% DOWICIL 150 Antimicrobial by wt of the formulation. Add as an aqueous solution.

CONSTRUCTION MATERIALS

To control bacterial deterioration during manufacture, transit, and storage of raw emulsions, add 0.05-0.15% DOWICIL 150 Antimicrobial by wt of the emulsion. Add as an aqueous solution.

NOTE: DOWICIL 150 IS INCOMPATIBLE WITH CASEIN IN BOTH LIQUID AND DRY SYSTEMS AND WITH SOME TYPES OF AMINE-MODIFIED CLAYS.

LAUNDRY WAX

To increase the shelf life of a fabric, powder, and fabric printing inks, add 0.15-0.2% DOWICIL 150 Antimicrobial by wt of the ink. Add as an aqueous solution.

LATEX EMULSIONS

To prevent bacterial deterioration during manufacture, transit, and storage of raw emulsions, add 0.05-0.15% DOWICIL 150 Antimicrobial by wt of the emulsion. Add as an aqueous solution.

METALWORKING FLUIDS

To control bacterial contamination that produces odors, rancidity, acidity, and destruction of soluble cutting oils, add 0.01-0.2% DOWICIL 150 Antimicrobial by wt of the formulation.

NOTE: DOWICIL 150 has no effect on the viscosity, stability, and other physical properties of the paint formulation or on the colorfastness of the paint films.

TEXTILES

To prevent spoilage of spinning emulsions for rayon and finishing solutions, and to prevent viscosity and pH changes in printing pastes caused by bacteria and fungi, add 0.1-0.2% DOWICIL 150 Antimicrobial by wt of the formulation. Add as an aqueous solution.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a dry place. Store below 60 °C (140 °F).

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Do not discharge spray products containing this pesticide to sewer systems without previously notifying the local sewage treatment plant. For guidance, contact your State Water Board or Regional Office of the EPA.

CONTAINER HANDLING: Nonrefillable 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 mix or rinse drum liner and remove residue and dispersion of liner in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. Then offer drum or container for recycling, if available. If drum or container cannot be reused, dispose of it in the manner required for its liner.

Note: Notice: Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions. SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

NET WT: 100 lb / 45.36 kg
LOT: 

Produced For:
E.P.A. Registration No. 464-327
E.P.A. Est. 83434-IL-001

THE DOW CHEMICAL COMPANY
Midland, Michigan 48674

0.2% DOWICIL 150 Antimicrobial by wt of the formulation. Add as an aqueous solution.

0.05% DOWICIL 150 Antimicrobial by wt of the formulation. Add as an aqueous solution.

0.05% DOWICIL 150 Antimicrobial by wt of the formulation. Add as an aqueous solution.

0.1% DOWICIL 150 Antimicrobial by wt of the formulation. Add as an aqueous solution.

0.05% DOWICIL 150 Antimicrobial by wt of the formulation. Add as an aqueous solution.

0.05% DOWICIL 150 Antimicrobial by wt of the formulation. Add as an aqueous solution.

0.05% DOWICIL 150 Antimicrobial by wt of the formulation. Add as an aqueous solution.

0.05% DOWICIL 150 Antimicrobial by wt of the formulation. Add as an aqueous solution.