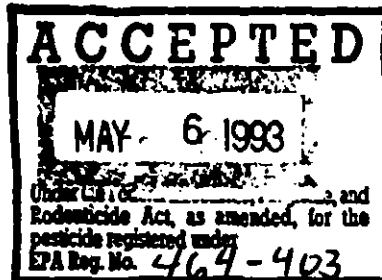


PM 32 464-403

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DOWICIL 75 Preservative
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DOWICIL* 75 Preservative

A highly effective preservative for paints, latexes, metalworking lubricants, and other industrial formulations against deterioration from bacteria and fungi.

For Use in Manufacturing or Reformulating Processes Only

Active Ingredients:

1-(3-chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride 67.5%

Inert Ingredients: 32.5%

E.P.A. Registration No. 464-403

E.P.A. Est. 464-CA-1(WP); 33560-TN-1(P).

Superscript used corresponds to letter in Lot No.

KEEP OUT OF REACH OF CHILDREN

CAUTION

Precautionary Statements

Hazards to Humans and Domestic Animals



HARMFUL IF SWALLOWED

Avoid Contact With Skin And Eyes • Wash Skin With Plenty Of Water After Handling • Do Not Wear Clothing Grossly Contaminated With The Product.

Statements of Practical Treatment

In case of eye contact, wash eyes with flowing water for 15 minutes. Call a physician.

In case of skin contact, remove contaminated clothing and wash skin with plenty of water. Wash clothing before reuse. If irritation develops, get medical attention.

If swallowed, induce vomiting immediately by giving two glasses of water and sticking finger down throat. Call a physician. Do not induce vomiting or give anything by mouth to an unconscious person.

Anyone experiencing noticeable ill effects from breathing the dust of this material should be removed to fresh air.

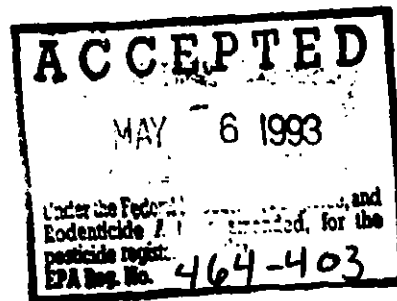
IN CASE OF AN EMERGENCY

endangering life or property involving this product, call collect 517-636-4400

NOTICE

Do Not Ship or Store with Food, Feeds, Drugs, or Clothing

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DIRECTIONS FOR USE

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

Only for (1) industrial uses as specified on this label; (2) uses for which USEPA has accepted the required data and/or citations of data that the formulator has submitted in support of registration; or (3) uses for experimental purposes that are in compliance with USEPA requirements.

DOWICIL 75 Preservative, when used according to good manufacturing practices, meets the requirements of Food Additive Regulations 21 CFR 175.105 for use as a preservative in adhesives; 21 CFR 177.1680 for preservation of polyurethane resins in contact with dry bulks; 21 CFR 176.170 for preservation of components of paper and paperboard intended for use in contact with food; and 21 CFR 176.180 for preservation of components of paper and paperboard intended for use in contact with dry foods.

DOWICIL 75 Preservative 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 0.2% by wt of the total formulation.

Preparation and storage of solutions of DOWICIL 75 Preservative are best done in vented vessels. Special precautions must be taken if an air-tight container is used since a concentrated solution can develop pressure in a closed system, especially if it becomes contaminated with an acid (causing the release of carbon dioxide).

NOTE: PRODUCERS USING THIS PRODUCT TO FORMULATE PESTICIDES ARE RESPONSIBLE FOR OBTAINING EPA REGISTRATION FOR THEIR FORMULATED PRODUCTS.

ADHESIVES

To prevent pH drop, odor, gas formation, change in viscosity, and loss of adhesive strength during manufacture, storage and service, add 0.07 - 0.66% DOWICIL 75 Preservative by wt to the formulation. Add as a concentrated aqueous solution.

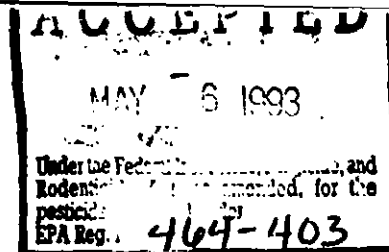
For use in the following types of adhesives:

Starch Based (corn, tapioca, sago, potato, etc.)

Add 0.13 - 0.27% DOWICIL 75 Preservative by wt as a concentrated aqueous solution.

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Protein-Derived (animal glues such as hide, bone, fish, blood, and gelatin)
Add 0.13 - 0.66% DOWICIL 75 Preservative by wt as a concentrated aqueous solution.

Natural Gums (arabic, guar, and tragacanth)
Add 0.07-0.27% DOWICIL 75 Preservative by wt as a concentrated aqueous solution.
Highly concentrated gums do not support readily bacterial or fungal growth: consequently, higher concentrations of DOWICIL 75 Preservative are required in the less concentrated gum solutions.

Natural Rubber Latex
Add 0.07 - 0.2% DOWICIL 75 Preservative by wt as a concentrated aqueous solution.

Polyvinyl Acetate Emulsions
Add 0.07 - 0.2% DOWICIL 75 Preservative by wt as a concentrated aqueous solution.

Synthetic Gums (e.g., METHOCEL* methylcellulose gums) and **Other Synthetic-Based Adhesives**
Add 0.07 - 0.2%† DOWICIL 75 Preservative by wt as a concentrated aqueous solution.

†Synthetic adhesive 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.

CONSTRUCTION MATERIALS

To increase shelf and use life of caulking, grouting, spackling compounds, and joint cements, add 0.07 - 0.3% DOWICIL 75 Preservative by wt of the formulation.
Method of application depends on the type of formulation, and may be made dry or as a concentrated aqueous solution.

NOTE: DOWICIL 75 PRESERVATIVE IS INCOMPATIBLE WITH CASEIN IN BOTH LIQUID AND DRY SYSTEMS, AND WITH SOME TYPES OF AMINE-MODIFIED CLAYS.

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DETERGENTS

To prevent bacterial deterioration during storage and to increase the shelf life of biodegradable surfactants, add 0.04 - 0.13% DOWICIL 75 Preservative by wt of the formulation. Add as an aqueous solution.

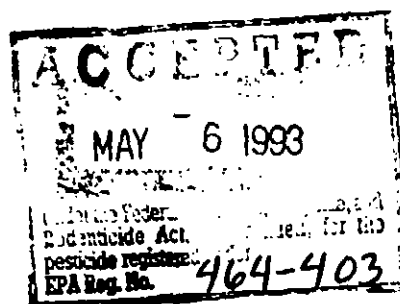
FLOOR WAX EMULSIONS AND FLOOR POLISHES

To preserve water-based waxes and polishes during storage, add 0.07 - 0.2% DOWICIL 75 Preservative by wt of the formulation. Add as an aqueous solution.

INKS

To increase the shelf life of water-based fountain pen, fabric, and paper printing inks, add 0.2 - 0.27% DOWICIL 75 Preservative by wt of the ink. Add as an aqueous solution.

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LATEX EMULSIONS

To prevent bacterial deterioration during manufacture, transit, and storage of raw emulsions, add 0.05 - 0.3% DOWICIL 75 Preservative by wt of the total emulsion. Add as an aqueous solution.

LAUNDRY STARCH

To increase shelf and use life of liquid formulations, add 0.07 - 0.2% DOWICIL 75 Preservative by wt of the formulation. Add as an aqueous solution.

METALWORKING FLUIDS

To control bacterial contamination that produces odors, rancidity, acidity, and destruction of soluble cutting oils, add 0.015% minimum DOWICIL 75 Preservative by wt of the formulation. Add to the water phase of the cutting fluid during formulation. In case of severe microbial contamination, higher concentrations of DOWICIL 75 Preservative may be required. Concentrations of 0.1 - 0.25% DOWICIL 75 Preservative by wt are suggested for control of bacteria and fungi in recirculating metalworking lubricant systems.

PAINT

To preserve cellulose-thickened latex paints in the can, add 0.01 - 0.2% DOWICIL 75 Preservative by wt of the formulation. Add dry or as an aqueous solution during any phase of the formulating process in the aqueous-phase raw materials. DOWICIL 75 Preservative has no effect on the viscosity, stability, and other physical properties of the paint formulation or on the colorfastness of the paint films.

PETROLEUM PRODUCTION AND RECOVERY

For use with closed delivery systems only.

To prevent bacterial growth in recirculated muds, packer fluids, and underground strata, add 0.075 - 0.125 lb (300-500 ppm) DOWICIL 75 Preservative per barrel of mud or packer fluid, and 25-50 ppm in underground water flooding. Add as an aqueous solution.

PULP AND PAPER

To protect coatings, finishes, and printing colors based on starch and latex (natural and synthetic) from bacterial and fungal attack, add 0.13 - 0.27% DOWICIL 75 Preservative by wt of the formulation. Add as an aqueous solution. These concentrations will protect against bacterial and fungal growth for 3-6 days. Longer periods of preservation require higher concentrations.

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 0.13 - 0.27% DOWICIL 75 Preservative by wt of the formulation. Add as an aqueous solution.

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