ACCEPTED
20 JUL 1981
464-403
UNDER THE FEDERAL INSECTICIDE FUNGICIDE AND RODENTICIDE ACT FOR ECONOMIC POISON REGISTERED UNDER NO.

SPECIMEN LABEL
REDUCED TO 90%

LOT

DOW*

DOWICIL* 75 PRESERVATIVE

FINE GRIND

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 Ingredient:
1-(3-chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride.....67.5%
Inert Ingredients.....32.5%
EPA Registration No. 464-403
EPA Est. 464-CA-1[wn]; 33560-TN-1®.
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, Foods, Drugs, or Clothing

DIRECTIONS FOR USE

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

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 176.1680 for preservation of 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 with aqueous and fatty foods; and 21 CFR 176.180 for preservation of components of paper and paperboard intended for use in contact with dry foods.

Preparation and storage of solutions of DOWICIL 75 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 by wt as a concentrated aqueous solution.

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

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

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

Polyvinyl Acetate Emulsions
Add 0.07 - 0.2% DOWICIL 75 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 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 IS INCOMPATIBLE WITH CASEIN IN BOTH LIQUID AND DRY SYSTEMS, AND WITH SOME TYPES OF AMINE MODIFIED CLAYS.

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 EMULSION 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.

LATEX EMULSIONS

To prevent bacterial deterioration during manufacture, transit, and storage of raw latex 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 may be required. Concentrations of 0.1 - 0.25% DOWICIL 75 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 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

To prevent bacterial growth in drilling muds, gypsum 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 flooding water. 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.

STORAGE AND DISPOSAL

STORAGE
If the entire contents of the drum are not used upon opening, reseal the liner to keep moisture from caking the product.

Note: To avoid decomposition (which will release smoke and flammable vapors), store in a cool, dry place below 140°F (60°C).

Do not store near flammable materials. Keep away from all sources of flame or heat including steam radiators.

DISPOSAL
Prohibitions - Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.

Pesticide Disposal - Pesticides that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticides or buried in a safe place away from water supplies.

Container Disposal - Dispose of it in an incinerator or landfill approved for pesticide containers, or bury it in a safe place.

General - Consult Federal, state, or local authorities for approved alternate procedures such as limited open burning.

NOTICE: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE, express or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.

Licensed for use under U.S. Patent No. 3,228,829

24684 E481

45.36 kg / 100 lb

THE DOW CHEMICAL COMPANY
AND SUBSIDIARIES
MIDLAND, MICHIGAN 48640, USA HORGEN, SWITZERLAND HONG KONG
CORAL GABLES, FLORIDA 33134, USA SARNIA, ONTARIO, CANADA

*Trademark of THE DOW CHEMICAL COMPANY

86-1415 PRINTED IN U.S.A. IN APRIL, 1981.
REPLACES SPECIMEN LABEL 86-1415 PRINTED IN NOVEMBER, 1977.
DISCARD PREVIOUS SPECIMEN LABELS.
REVISIONS INCLUDE: (1) STATEMENTS OF PRACTICAL TREATMENT ADDED;
(2) DIRECTIONS FOR USE ADDED.

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Inert Ingredients.....32.5%
EPA Registration No. 464-403
EPA Est. 464-CA-1 WP; 33560-TN-1 P.
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CAUTION

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Avoid Contact with Skin and Eyes • Wash Skin with Plenty of Water After Handling • Do Not Wear Clothing Grossly Contaminated with the Product.

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

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For use in the following types of adhesives:

Starch Based (corn, tapioca, sago, potato, etc.)
Add (1) 0.27% DOWICIL 75 by wt as a concentrated aqueous solution.

Protein-Derived (animal glues such as hide, bone, fish, blood, and gelatin)
Add (1) 0.66% DOWICIL 75 by wt as a concentrated aqueous solution.

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

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

Polyvinyl Acetate Emulsions
Add (1) 0.07 - 0.2% DOWICIL 75 by wt as a concentrated aqueous solution.

Synthetic Gums (e.g., METHOCEL* methylcellulose gums) **and Other Synthetic-Based Adhesives**
Add 0.07 - 0.2% (1) DOWICIL 75 by wt as a concentrated aqueous solution.

(1) 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

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INKS

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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

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STORAGE AND DISPOSAL

STORAGE
If the entire contents of the drum are not used upon opening, reseal the liner to keep moisture from caking the product.

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Do not store near flammable materials. Keep away from all sources of flame or heat including steam radiators.

DISPOSAL
Prohibitions - Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.

Pesticide Disposal - Pesticides that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticides or burned in a safe place away from water supplies.

Container Disposal - Dispose of it in an incinerator or landfill approved for pesticide containers, or bury it in a safe place.

General - Consult Federal, state, or local authorities for approved alternate procedures such as limited open burning.

NOTICE Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE, express or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.

Licensed for use under U.S. Patent No. 3,228,829

24683 E481

45.36 kg / 100 lb

THE DOW CHEMICAL COMPANY
AND SUBSIDIARIES
MIDLAND, MICHIGAN 48640, USA HORGEN, SWITZERLAND HONG KONG
CORAL GABLES, FLORIDA 33134, USA SARNIA, ONTARIO, CANADA

*Trademark of THE DOW CHEMICAL COMPANY

86-1381 PRINTED IN U.S.A. IN APRIL, 1981.
REPLACES SPECIMEN LABEL 86-1381 PRINTED IN NOVEMBER, 1977.
DISCARD PREVIOUS SPECIMEN LABELS.
REVISIONS INCLUDE: (1) STATEMENTS OF PRACTICAL TREATMENT ADDED; (2) DIRECTIONS FOR USE ADDED.

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 Ingredient	
1-3 chloroallyl 3 5 7 triaza 1 azoniaadamantane chloride	67.5
Inert Ingredients	32.5

EPA Registration No 464 403

EPA Est 464 CA 1 [illegible] 33560 IN 1

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

In case of an emergency endangering life or property involving this product call

517 636 4400

NOTICE

Natural Rubber Latex

Polyvinyl Acetate Emulsions

Synthetic Gums

Synthetic Based Adhesives

CONSTRUCTION MATERIALS

NOTE DEW CIDE IS INCOMPATIBLE WITH CASEIN IN BOTH LIQUID AND WITH SOME TYPES OF AMINE MODIFIED CLAYS

DETERGENTS

FLOOR WAX EMULSION AND FLOOR P

INKS

LATEX EMULSIONS

LAUNDRY STARCH

SPECIMEN LABEL
REDUCED TO 90%

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ATIVE
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	67.5
	32.5

HILDREN

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with Plenty of Water After
aminated with the Product

NOTICE
Stop or Slow with Food Feeds Dogs or Other

DIRECTIONS FOR USE

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

ADHESIVES

Starch Based

Natural Gums

Natural Rubber Latex

Polyvinyl Acetate Emulsions

Synthetic Gums

Synthetic Based Adhesives

CONSTRUCTION MATERIALS

NOTE: DOW CL IS INCOMPATIBLE WITH LASTIN IN BOTH LIQUID AND DRY SYSTEMS AND WITH SOME TYPES OF AMINE MODIFIED CLAYS

DETERGENTS

FLOOR WAX EMULSION AND FLOOR POLISHES

INKS

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METALWORKING FLUIDS

PAINT

PETROLEUM PRODUCTION AND RECOVERY

PULP AND PAPER

TEXTILES

STORAGE AND DISPOSAL

STORAGE

Note

DISPOSAL

Prohibitions

Pesticide Disposal

Container Disposal

General

Notice

45.36 kg / 100 lb

THE DOW CHEMICAL COMPANY

AN EQUAL OPPORTUNITY EMPLOYER

MIDLAND, MICHIGAN 48640 U.S.A. HORGEN, SWITZERLAND HONG KONG
PA ARKA ONTARIO CANADA
MEXICO

VEMBER, 1977.

AL TREATMENT ADDED.