



PERFORMANCE CHEMICALS, INC.
A Baker Hughes company

PRESERVATIVE REGULAR GRIND

EPA Reg. No. 10707-14 EPA Est. 10707-

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%

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.

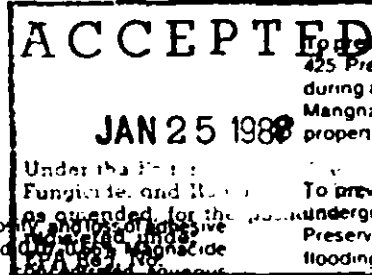
DIRECTIONS FOR USE

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

Magnacide 425 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 Magnacide 425 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 0.07-0.2% Magnacide 425 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% Magnacide 425 by wt as a concentrated aqueous solution.

Protein-Derived (animal glues such as hide, bone, fish, blood, and gelatin)

Add 0.13-0.66% Magnacide 425 by wt as a concentrated aqueous solution.

Natural Gums (arabic, guar, and tragacanth)

Add 0.07-0.27% Magnacide 425 by wt as a concentrated aqueous solution. Highly concentrated gums do not support readily bacterial or fungal growth, consequently, higher concentrations of Magnacide 425 are required in the less concentrated gum solutions.

Natural Rubber Latex

Add 0.07-0.2% Magnacide 425 by wt as a concentrated aqueous solution.

Polyvinyl Acetate Emulsions

Add 0.07-0.2% Magnacide 425 by wt as a concentrated aqueous solution.

Synthetic Gums (e.g., METHOCEL™ methylcellulose gums) and Other Synthetic-Based Adhesives

Add 0.07-0.2% Magnacide 425 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% Magnacide 425 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: MAGNACIDE 425 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% Magnacide 425 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% Magnacide 425 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% Magnacide 425 Preservative 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 0.05-0.3% Magnacide 425 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% Magnacide 425 Preservative by wt of the formulation. Add as an aqueous solution.

utions of Magnacide 425 may be required. Concentrations of 425 by wt are suggested for control of bacterial metalworking lubricant systems.

PAINT

To preserve cellulose-thickened alkali paints in 425 Preservative by wt of the formulation. Add during any phase of the formulating process. Magnacide 425 has no effect on the viscosity properties of the paint formulation or on the color.

PETROLEUM PRODUCTION

To prevent bacterial growth in drilling muds, underground strata, add 0.075-0.125 lb of 425 Preservative per barrel of mud or packer fluid flooding water. Add as an aqueous solution.

PULP AND PA

To protect coatings, finishes, and printing on (natural and synthetic) from bacterial and Magnacide 425 Preservative by wt of the formulation. These concentrations will protect against bacteria. Longer periods of preservation require higher concentrations.

TEXTILES

To prevent spoilage of spinning emulsions for to prevent viscosity and pH changes in printing, add 0.13-0.27% Magnacide 425 Preservative as an aqueous solution.

STORAGE AND DI

STORAGE

Do not store near flammable materials. Keep away from flame or heat including steam radiators. If the container is not used upon opening, reseal the line with the product.

Note: To avoid decomposition (which will release vapors), store in a cool, dry place below 100°F. Prohibitions - Do not contaminate water, soil, or food.

DISPOSAL

PESTICIDE DISPOSAL: Wastes resulting from use should be disposed of on site or at an approved waste treatment facility.

Container Disposal: Completely empty line and bottom to loosen clinging particles. Empty container should be disposed of in a manner allowed by State and local authorities. Do not reuse.

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

NOTICE: Seller warrants that the product contains the active ingredient and is reasonably fit for the purposes stated on the label with directions under normal conditions of use. No other warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE, expressed or implied, extends to the product unless specifically stated on the label instructions, or under abnormal conditions not reasonably foreseeable to seller, and buyer assumes the risk.



NOTI

Do Not Share
Feeds, Drugs

MANUFACTURE

BAKER PERFORMANCE CHEMICALS

3920 Essex Lane, Houston, TX 77058

NET CONTENTS _____

DESCRIPTION

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MAGNACIDE® 425 is a highly active, broad-spectrum antimicrobial designed for the preservation of aqueous products such as adhesives, latex emulsions, drilling fluids, completion and work over fluids, fracturing gels, water floods, biodegradable detergents and paper coatings. Magnacide 425 will control both gram-positive and gram-negative bacteria. It is also effective against fungi, yeast and molds. The activity of Magnacide 425 is independent of pH in the 4-10 pH range.

TYPICAL PHYSICAL PROPERTIES

Appearance:	off-white powder
Specific Gravity:	1.54 g/cc
Bulk Density:	43 lbs/ft ³
Solubility in water:	20g/100g

USE INFORMATION

Petroleum Production and Recovery: To prevent bacterial growth in drilling muds, gypsum muds, packer fluids, and underground strata add 0.075-0.125 lbs. (300-500 ppm) Magnacide 425 Preservative per barrel of mud or packer fluid, and 25-50 ppm in underground flooding water. Add as an aqueous solution.

Solution Storage and Preparation:

Preparation and storage of Magnacide 425 solutions are best done in vented vessels. Most materials of construction commonly used for industrial chemicals are suitable with the exception of aluminum, which is corroded by the sodium bicarbonate.

Special precautions must be taken if an air-tight container is used. A concentrated solution can cause pressure to develop in a closed system, especially if it becomes contaminated with acid (release of carbon dioxide).

Solutions in the range of 15 to 20% are generally used for bulk stock. Preparation of solutions more concentrated than 20% is not recommended as the solubility limits of the inert ingredient, sodium bicarbonate, is exceeded. Water used for concentrated solution makeup should be cool, 59° to 68°F. The use of cold water may result in incomplete solubility of the inert ingredients at high concentrations and the use of



Magnacide 425 (continued)

hot water will unnecessarily hasten hydrolysis of the active ingredient. Under no circumstances should the water be warmer than 104°F.

To prepare the concentrated solution, draw the desired amount of water and begin agitation with a slow speed propeller type mixer. Weigh out the desired amount of Magnacide 425 and add it slowly to the vortex. Lumping may occur if the powder is added too rapidly. The lumps will dissolve in time with continued agitation.

The amount of concentrated Magnacide 425 solution prepared should be such that it will be used within two weeks, as its preservative properties slowly decline after this time. With storage, the concentrated solutions will develop a yellow color. Development of color does not, however, indicate loss of efficacy.

HANDLING INSTRUCTIONS

Active Ingredient: 1-(3-chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride

CAUTION KEEP OUT OF REACH OF CHILDREN

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.

FIRST AID

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.



Magnacide 425 (continued)

STORAGE AND DISPOSAL

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

Storage: Do not store near flammable materials. Keep away from all sources of flame or heat including steam radiators. If the entire contents of the drum are not used upon opening, reseal the line 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).

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

CONTAINER DISPOSAL

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. Dispose of drum in the same manner.

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

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