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MYACIDE™ GA 15

Myacide is a Trademark of BASF AG

COMMERCIAL MICROBIOCIDE

A broad spectrum microbiocide for controlling slime-forming and sulfate-reducing bacteria, fungi, yeast and algae. For use in sugar beet mills and process water systems; paper mills and associated process water systems; pigments and filler slurries for food and non-food contact paper and paperboard; non-food contact water based coatings for paper and paperboard; air washers and industrial scrubbing systems; recirculating cooling and process water systems; reverse osmosis membranes; heat transfer systems; service water and auxiliary systems; industrial wastewater systems including wastewater sludge and holding tanks; water-based conveyor lubricants; aqueous metalworking fluids; oil field applications including drilling muds, workover, fracturing, completion and packer fluids; gas production, transmission and storage; and preservation of food contact adhesives and mineral slurries used in papermaking.

ACTIVE INGREDIENT:

Glutaraldehyde 15.0%

INERT INGREDIENTS: 85.0%

TOTAL 100.0%

ACCEPTED
with COMMENTS
in EPA Letter Dated:

DEC 12 2002

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No.
3373-3-30

KEEP OUT OF REACH OF CHILDREN DANGER

FIRST AID

If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If swallowed	<ul style="list-style-type: none"> • Call 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 a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-832-4357 for emergency medical treatment information.

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage.

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Corrosive. Causes irreversible eye damage. Causes skin irritation. Harmful if inhaled, swallowed or absorbed through skin. May cause allergic skin reactions. Causes asthmatic signs and symptoms in hyper-reactive individuals. Do not get in eyes, on skin or on clothing. Avoid breathing vapors. **Not to be used as an aerosol.** Do not swallow. Wear eye goggles, rubber gloves and protective clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before re-use.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other 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 sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA. Do not contaminate water when disposing of equipment washwaters.

Instructions in Case of Spills or leaks: Wear goggles, rubber gloves, and protective clothing. Absorb spills and leaks with inert material such as sand, clay or vermiculite. Shovel into a sealable container and dispose of in an authorized EPA disposal facility.

In Case of Fire: Use water, carbon dioxide, dry chemical (e.g. Sodium bicarbonate) extinguishing medias. Fire fighters should be equipped with self-contained breathing apparatus and turnout gear.

In Case of Chemical Emergency: Call CHEMTREC day or night for assistance and information concerning spilled material, fire, exposure and other chemical accidents. 800-424-9300.

MYACIDE IS A TRADEMARK OF BASF AG
EPA REG. NUMBER 33753-30
EPA EST. NUMBER 7969-DEU-001
NET CONTENTS: SEE PACKAGE

ACCEPTED
with COMMENTS
in EPA Letter Dated:

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Registrant: BASF Corporation
3000 Continental Drive-North
Mount Olive, NJ 07828-1234

Under the Federal Insecticide,
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amended, for the pesticide,
registered under EPA Reg. No.
3-3753-30

CONDITIONS OF SALE

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 should be followed carefully. However, it is impossible to eliminate all risk inherently associated with use of this product. Ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of the Seller. All such risks shall be assumed by the Buyer. The manufacturer warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to above.

THE MANUFACTURER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. IN NO CASE SHALL THE MANUFACTURER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

The manufacturer offers 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.

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STORAGE AND DISPOSAL

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

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No.

33753-30

PESTICIDE STORAGE

Myacide GA 15 solutions are corrosive to many commonly used materials of construction such as steel, galvanized iron, aluminum, tin and zinc. These solutions can be stored and handled in baked phenolic lined steel, stainless steel or reinforced epoxy equipment. This product freezes at approximately -20°C (-4°F). Therefore, unless the storage tank is inside or underground, heating and insulation may be required. If heating is needed, exposure to high temperatures should be avoided. For short storage (1 month) temperatures up to 100°F can be tolerated; however, the preferred maximum storage temperature is approximately 80°F. Keep away from fire and open flames. A stainless steel centrifugal pump is suggested for transfer service.

PESTICIDE DISPOSAL

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environment Control Agency, or the Hazardous Waste Representative at the nearest EPA regional office for guidance.

CONTAINER DISPOSAL

Triple rinse (or equivalent) then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

GENERAL

Consult Federal, State and local authorities for approved alternative procedures RCRA Hazardous Waste Code D002.

DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING

GENERAL USE DIRECTIONS

Add Myacide GA 15 at a point of uniform mixing where the treated water will be circulated or mixed throughout the system. Badly fouled systems should be cleaned before treatment begins. Myacide GA 15 can be applied either intermittently (slug dose) or by continuous feed where stated. Where appropriate, feed points should be below the water line to minimize vapor

AIR WASHERS AND INDUSTRIAL SCRUBBING SYSTEMS, RECIRCULATING COOLING AND PROCESS WATER SYSTEMS

Use only in industrial air washer systems, which have mist-eliminating components. Badly fouled systems can be shock treated by using the highest recommended rate of Myacide GA 15. Under these conditions, blowdown should be discontinued for up to 24 hours. Apply by intermittent or continuous feed methods. Add at a place such as the basin area.

Initial Dose: When the system is noticeably fouled, add 40-80 fl. oz. (325-650 ppm) of Myacide GA 15 per 1,000 gal. of water in the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 16-40 fl. oz. (130-325 ppm) of Myacide GA 15 per 1,000 gal. of water in the system per day, or as needed to maintain control.

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REVERSE OSMOSIS MEMBRANES

Use only where approved for compatibility by the membrane manufacturer. Immerse membrane in a tank containing 6,667 to 66,667 ppm Myacide GA 15 for 6 to 24 hours. Myacide GA 15 can also be added to in-line recirculating systems of installed out of service osmosis equipment. Add 667 to 6,667 ppm Myacide GA 15 to the tank on the circulating system and maintain this concentration by periodic addition to counteract any system leakage. Flush the system through with clean water before returning to service.

HEAT TRANSFER SYSTEMS

For use in Evaporative Condensers, Dairy Sweetwater Systems, Hydrostatic Sterilizers and Retorts, and, Pasturizers and Warmers, and Once-Through Cooling Water Systems.

Initial Dose: When the system is noticeably fouled, add 40-80 fl. oz (325-650 ppm) of Myacide GA 15 per 1,000 gal. of water in the system.

Subsequent Dose: For maintenance, use a continuous feed of 16-40 fl. oz. (130-325 ppm) of Myacide GA 15 per 1,000 gal. of water in the system per day.

SERVICE WATER AND AUXILIARY SYSTEMS

Use in systems such as fire water reserves, spray paint booths, and emergency cooling water systems. Dose initially at 40-80 fl.oz. (325-650 ppm) of Myacide GA 15 per 1,000 gal. of water in the system. Reapply as necessary to maintain this concentration.

INDUSTRIAL WASTEWATER SYSTEMS

For use in aerobic and anaerobic, belt pressed, digested and undigested sludges; and holding tanks. Add 1.7 to 7.7 gal. (1500 to 7500 ppm) of Myacide GA 15 per 1,000 gal. of wastewater or sludge. Add at a place such as the digester.

SUGAR BEET MILLS AND PROCESS WATER SYSTEMS

Apply by intermittent or continuous feed methods. Repeat intermittent dose until control is achieved. The total should not exceed 353 gal. per 1,000 tons of beets sliced per day.

Initial Dose: When the system is noticeably contaminated, add 18.3 to 45.3 fl. oz. (667 to 1667 ppm) of Myacide GA 15 per ton of sliced beets.

Subsequent Dose: When microbial control is evident, add 2.7 to 27.3 fl. oz. (100 to 1,000 ppm) of Myacide GA 15 per ton of sliced beets to the system as necessary to maintain control.

PAPER MILLS AND ASSOCIATED PROCESS WATER SYSTEMS

Apply by intermittent or continuous feed methods.

Initial dose: When the water is noticeably contaminated, add 1.67-10.0 lbs per ton of pulp or paper (dry basis). Repeat until control is achieved.

Subsequent dose: When microbial control is evident add 1.0-6.67 lbs per ton to pulp or paper (dry basis) as necessary to maintain control.

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PIGMENTS AND FILLER SLURRIES FOR FOOD AND NON-FOOD CONTACT PAPER AND PAPERBOARD

To inhibit the growth of spoilage microorganisms during manufacture, storage and distribution of pigments and filler slurries such as kaolin, calcium carbonate and titanium dioxide. Add Myacide GA 15 to produce a concentration of 333-2,000 ppm by weight of the formulation slurry (3.3-20.0 lbs of product per 10,000 lbs of slurry). Apply once during manufacture.

WATER BASED COATINGS FOR NON FOOD-CONTACT PAPER AND PAPERBOARD:

To inhibit the growth of spoilage micro-organisms during manufacture, storage and distribution of water-based coatings for use on non-food-contact paper and paperboard. Add Myacide GA 15 at 333-2,000 ppm by weight of the formulation slurry (3.3-20.0 lbs of product per 10,000 lbs of slurry).

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OIL WELL WATER FLOODS

Initial dose: Add Myacide GA 15 at 333-16,667 ppm of the water flood system (0.3-15.0 gal. Myacide GA 15 per 1,000 gal. floodwater). Add Myacide GA 15 intermittently until control is achieved.

Subsequent dose: Add 167 to 833 ppm of Myacide GA 15 (0.17 to 0.83 gal. of Myacide GA 15 to each 1,000 gal.) each week to maintain bacterial control. Add at a place such as the area of addition of make up water to the holding tank.

DRILLING MUDS, WORKOVER, FRACTURING AND COMPLETION FLUIDS

Add 333 to 3,333 ppm Myacide GA 15 (1.27 to 12.7 gal Myacide GA 15 per 100 barrels or 4,200 gal.), depending on the severity of the bacterial contamination. Add additional Myacide GA 15 to maintain the proper concentration as the total volume of the system increases with the well depth. For workover fluids, circulate the system until the fluid returns clear. Shut the system down and idle for several hours. Remove the workover fluid. This well should be ready for productive use.

PACKER FLUIDS

Add Myacide GA 15 at 167-2,000 ppm (0.7 to 8.3 gal. per 100 barrels of fluid) to a freshly prepared fluid, depending on the severity of contamination. Apply once before sealing the treated packer fluid in the wall between the casing and production tube.

GAS PRODUCTION AND TRANSMISSION PIPELINES AND SYSTEMS

Add Myacide GA 15 to inhibit microbiological growth in gas production or transmission pipelines and systems supplying liquid and natural gas during commercial production. Inject Myacide GA 15 directly into the transmission pipeline at the earliest available entry point. Add Myacide GA 15 at a dose rate of 167 to 2,000 ppm of the water in the system. Injections to the system should be made on a weekly basis, or as needed to maintain control.

GAS STORAGE WELLS AND SYSTEMS

Treat individual injection wells with Myacide GA 15 at 1,667 to 16,667 ppm and maintain this concentration in the water present in the formation. Treatment of the well should take place during the summer before gas is injected. Dose individual drips to maintain a concentration of 666 to 6,666 ppm Myacide GA 15. Treatment should be repeated yearly, or as needed to maintain control.

HYDROTESTING

For use in pipelines, valve systems, boilers and vessels. Water used to hydrotest pipelines or vessels should contain 333 to 13,333 ppm (0.33 to 13.3 gal. per 1,000 gal. water) of Myacide GA 15, depending on water quality, pH, environmental conditions and the length of time the equipment will remain idle. At neutral pH and below, treated water can remain in the system for more than 1 year.

PIPELINE PIGGING AND SCRAPING OPERATION

Add Myacide GA 15 to the water immediately following the scraper. This water volume can be kept to a minimum and contained between the scraper and trailing pig. Add Myacide GA 15 at 3,333 to 33,333 ppm (0.33 to 3.3 gal. Myacide GA 15 per 100 gal. water), depending on the length of the pipeline and the severity of biofouling.

WATER BASED CONVEYOR LUBRICANTS

For use in brewery, juice, dairy, beverage, and food processing systems. Thoroughly clean tracks and conveyors to remove all gross contamination. Rinse well. Use a commercially available automatic feed system to provide 4.7 to 28.0 fluid ounces (333 to 2,000 ppm) of Myacide GA 15 per 100 gal. of dilute lubricant.

Avoid contamination of food in application of this product.

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GENERAL PRESERVATION

Non-food contact

For use by manufacturers for in-can preservation of aqueous industrial, institutional and consumer non-food contact products that require the control of bacteria and fungi; for example, mineral slurries used in paints and plastics, concrete admixtures, pigments, latices, printing inks, paint, laundry detergents, and cleaning products. Add Myacide GA 15 to the product formulation at a rate of 9.3 to 93.3 fluid ounces (667 to 6667 ppm) per 100 gal. of the water content of the product. Mix uniformly.

Food contact

For use by manufacturers that require the control of bacteria or fungi in the preservation of food-contact adhesives and mineral slurries used in papermaking.

AQUEOUS METALWORKING FLUIDS

Myacide GA 15 should be added to a metalworking fluid system at a point of uniform mixing such as the fluid collection tank. Additions may be added intermittently at intervals of one week or less.

Initial dose: When the system is noticeably fouled apply 0.67 to 2.0 gal. of Myacide GA 15 per 1,000 gal. of metalworking fluid to the system. Repeat until control is achieved.

Subsequent dose: When microbial control is evident, add 0.27 to 1.33 gal. of Myacide GA 15 per 1,000 gal. of metalworking fluid to the system weekly, or as needed to maintain control. Badly fouled systems should be cleaned before treatment begins.

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