

39967-13

1/9

JAN 29 2004

Bayer Chemical Corporation  
100 Bayer Road Building 5  
Pittsburgh, PA 15205-9741

Attention: Stan Oslosky  
Regulatory Affairs Principal

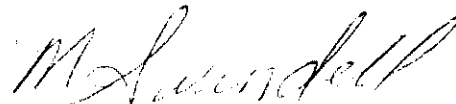
Subject: Preventol AB Preservative  
EPA Registration No. 39967-13  
Amendment Dated January 6, 2004

This will acknowledge receipt of your notification to correct a typographical error under the active ingredients declaration, submitted under the provisions of FIFRA Section 3(c)(9). Based on a review of the submitted material, the following comments apply.

The notification is in compliance with PR Notice 98-10 and is acceptable. This information has been made a part of your file.

If you have any questions concerning this letter, please contact Martha Terry at (703) 308-6217.

Sincerely



Marshall Swindell  
Product Manager (33)  
Regulatory Management Branch 1  
Antimicrobials Division (7510C)

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							



Please read instructions on reverse before completing form.

Form Approved, OMB No. 2070-0080, Approval expires 2-28-95



United States  
Environmental Protection Agency  
Washington, DC 20460

Registration  
 Amendment  
 Other

OPP Identifier Number

### Application for Pesticide - Section I

1. Company/Product Number 39967-13	2. EPA Product Manager Marshall Swindell	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Preventol A8 Preservative	PM# 33	
5. Name and Address of Applicant (Include ZIP Code) Bayer Chemical Corporation 100 Bayer Road Bldg. 5 Pittsburgh, PA 15205-9741 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

### Section - II

Amendment - Explain below.  Final printed labels in response to Agency letter dated \_\_\_\_\_

Resubmission in response to Agency letter dated \_\_\_\_\_  "Me Too" Application.

Notification - Explain below.  Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

A typographical error has been corrected under the active ingredients declaration.

### Section - III

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	2. Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt. No. per container

3. Location of Net Contents Information  
 Label  Container

4. Size(s) Retail Container

5. Location of Label Directions  
 Product information Bulletin

6. Manner in Which Label is Affixed to Product  
 Lithograph Paper glued Stenciled  Other \_\_\_\_\_

### Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)

Name Stan Oslosky	Title Regulatory Affairs Principal	Telephone No. (include Area Code) (412) 777-2543
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**Certification**  
I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

2. Signature

3. Title  
Regulatory Affairs Principal

4. Typed Name  
Stan Oslosky

5. Date  
1/6/04

6. Date Application Received (Stamped)

Reason for Issue: Amend EA and typo

A Registration No: 39967-13

U.S. LABEL

Date of Draft: March 18, 1998

Information below line to be printed as a single panel

# PREVENTOL A8 Preservative FUNGICIDE

N-108

FOR THE PRESERVATION OF WOOD-BASED COMPOSITE PRODUCTS, WOOD PRODUCTS INTENDED FOR ABOVE GROUND AND IN-GROUND CONTACT, PLASTICS, COATINGS AND PAINT SYSTEMS FOR IN-FILM PRESERVATION INCLUDING PAPER COATINGS FOR NON-FOOD CONTACT USES, GLUES AND ADHESIVES, AND METALWORKING FLUIDS AGAINST BIODETERIORATION

ACTIVE INGREDIENT: TEBUCONAZOLE, $\alpha$ -[2-(4-Chlorophenyl)ethyl]- $\alpha$ -(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol.....	97%
INERT INGREDIENTS:.....	3%
	100%

## WARNING: KEEP OUT OF THE REACH OF CHILDREN

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

May be fatal if inhaled. Harmful if swallowed. Causes eye irritation. Do not breathe dust and avoid contact with eyes or clothing. Wear a mask or pesticide respirator jointly approved by the Mine Safety and Health Administration and the National Institute for Occupational Safety and Health. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

#### FIRST AID

**If inhaled:** 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.

**If in eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a Poison Control Center or doctor for treatment advice.

**If swallowed:** Call a Poison Control Center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told by Poison Control Center or Doctor. Do not give anything by mouth to an unconscious person.

NOTE TO PHYSICIAN: No specific antidote is available. Treat symptomatically.

The Bayer Corporation Pittsburgh Emergency Response Telephone Number is 412/923-1800

IN CASE OF EMERGENCY, CALL: CHEMTREC 800-424-9300

INTERNATIONAL 703-527-3887

#### NOTE TO USER:

For worker protection during mixing, loading and during application, wear a hat, long sleeve shirt, and long legged trousers or overalls. In addition, during mixing and loading, wear rubber or neoprene gloves. Protective clothing should be laundered separately following application.

#### DIRECTIONS FOR USE

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

Labeling directions, precautionary statements and restrictions for any other products recommended must be followed.

FOR DETAILED DIRECTIONS FOR USE, PLEASE REFER TO THE BAYER CORPORATION TECHNICAL INFORMATION SHEET NUMBER N-108. Read these entire Directions before using Preventol A8 Preservative

#### ENVIRONMENTAL HAZARDS

This pesticide is toxic to estuarine invertebrates. 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 the discharge. Do not discharge effluent containing this product into sewer systems without previously notifying the sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

#### STORAGE AND DISPOSAL

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

**Pesticide Storage:** Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

**Pesticide Disposal:** Pesticide wastes are toxic. Improper disposal of excess pesticide, 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 Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**Container Disposal:** Do not use container in connection with food, feed, or drinking water. Completely empty container into the processing equipment. Then dispose of empty container in a sanitary landfill or by incineration or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

RESTRICTIONS: Do not package Preventol A8 Preservative in Metal Containers.

EPA REG. NO.: 39967-13

EPA ESTABLISHMENT NUMBER 3125-MO-1

NET CONTENTS: \_\_\_\_\_

BAYER Chemicals CORPORATION

100 Bayer Road

Pittsburgh, PA 15205-9741

Preventol is a trademark of Bayer AG, Germany

NOTIFICATION  
Date Reviewed: M. Terry  
Reviewed By: 1/29/02

bke

# Product Information Preventol A8 Preservative

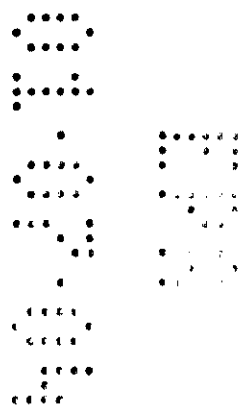
FUNGICIDE  
N-108

FOR THE PRESERVATION OF WOOD-BASED COMPOSITE PRODUCTS, WOOD PRODUCTS INTENDED FOR ABOVE GROUND AND IN-GROUND CONTACT, PLASTICS, COATINGS AND PAINT SYSTEMS FOR IN-FILM PRESERVATION, GLUES AND ADHESIVES, AND METALWORKING FLUIDS AGAINST BIODETERIORATION

Bayer Product Code/Technical Information Sheet No. N-108  
EPA Registration Number 39967-13  
CAS Number [107534-96-3]

## Chemical and Physical Data

Common Name:	Tebuconazole	
Chemical Name:	$\alpha$ -[2-(4-Chlorophenyl)ethyl]- $\alpha$ -(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol	
Minimum Purity:	min. 93%	
Nominal Concentration:	97%	
Density (20°C):	1.25	
Bulk Density:	approx. 400 kg/m <sup>3</sup>	
Vapor Pressure (60°C):	approx. 6 x 10 <sup>-6</sup> hPa (pure active ingredient)	
Melting Point:	approx. 103°C	
Flash Point:	> 185°C	
Ignition Temperature:	approx. 468°C	
Solubility of Active Ingredient in % by Weight (20°C):	water	approx. 32 ppm
	ethyl glycol	approx. 27.0%
	propylene glycol monomethyl ether	approx. 25.5%
	dipropylene glycol monomethyl ether	approx. 21.5%
	Solvesso 100	approx. 2.9%
	Kristalloel 60	approx. 0.3%
	white spirit*	approx. 0.3%
	*(aromatic content 30% - calculated as xylene)	



NOTIFICATION  
Date Reviewed: *M. Perry*  
Reviewed By: *1/29/04*

## Stability

Preventol A8 Preservative is resistant to hydrolysis in acidic up to strong alkaline formulations. Reaction in water: neutral.

## Storage

If correctly stored and kept in original sealed container, the shelf life of Preventol A8 Preservative is 1 year.

## Applications

Preventol A8 Preservative has a broad spectrum of activity and is particularly effective against wood-rotting Basidiomycetes strains. Preventol A8 Preservative is practically unleachable, light-stable, heat-stable and non-volatile and therefore suitable for long-term protection. It is suitable for use in solvent-based and aqueous wood preservatives. The active ingredient is compatible with the binders, pigments, dryers and auxiliaries normally used in wood preservatives as well as with a variety of blue stain fungicides in solvent based wood preservatives and with insecticides such as Cyfluthrin or permethrin.

Preventol A8 Preservative is also suitable, due to the above described properties, to protect plastics, coatings and paint systems, glues and adhesives as well as metalworking fluids against infestation by fungal organisms.

### Spectrum of Activity

Preventol A8 Preservative has a broad spectrum of activity against wood-rotting fungi. Toxic values are determined in accordance with the relevant internationally recognized standards. The values obtained from samples which have been aged artificially - for example evaporative aging as specified in EN 73 or leaching as specified in EN 84 - are not substantially higher than the levels recorded in samples which have not been aged.

### Toxic values (kg/m<sup>3</sup>) determined in accordance with EN 113

Test institute BAM <sup>1</sup> 1990, scots pine sapwood			Test institute BRE <sup>2</sup> 1990/1993, scots pine sapwood		
Test fungus	unaged	after evaporative aging (EN 73)	unaged	after evaporative aging (EN 73)	after leaching (EN 84)
Coniphora puteana	0.030 - 0.050	0.070 - 0.110	* - 0.052 <sup>3</sup>	* - 0.053 <sup>3</sup>	* - 0.054 <sup>3</sup>
Gloeophyllum trabeum	0.012 - 0.030	0.045	* - 0.051 <sup>3</sup>	* - 0.050 <sup>3</sup>	* - 0.051 <sup>3</sup>
Poria placenta	0.120 - 0.180	0.280 - 0.440	0.012 - 0.153	0.150 - 0.310	0.099 - 0.152
Coriolus versicolor	test not conducted	test not conducted	0.151 - 0.299	0.155 - 0.306	0.101 - 0.150
1 BAM - Federal Office for Material Research and Testing, Berlin, Germany					
2 BRE - Building Research Establishment Timber Division, Biodeterioration Section, Garston, UK					
3 no failing concentration determined					

### Soil block test AWPA E10-91 carried out by test institute MSFPL<sup>6</sup>

Test fungus	Wood species	Weathering	Toxic values (kg/m <sup>3</sup> )
Coriolus versicolor	Sweetgum	without	< 0.540 <sup>7</sup>
		with	< 0.546 <sup>7</sup>
Irpex lacteus	Sweetgum	without	0.018 - 0.019
		with	0.019 - 0.021
Gloeophyllum trabeum	Ponderosa pine	without	0.018 - 0.0193
		with	0.026 - 0.030
Poria placenta	Ponderosa pine	without	0.117 - 0.123
		with	0.138 - 0.144
6 MSFPL - Mississippi State Forest Products Laboratory, Mississippi State, USA			
7 no weight loss even at lowest retention of tebuconazole used; no toxic value calculated			

### Soil block test ASTM D 1413 carried out by test institute MTU<sup>8</sup>

Retention of tebuconazole (kg/m <sup>3</sup> wood)	0.12	0.24	0.48	0.96
Test fungus	weight loss of the test blocks			
Coriolus versicolor (birch)	> 50	> 50	13.9	0.9
Gloeophyllum trabeum <sup>9</sup> (southern pine)	0.2	-1.6	-0.2	-1
8 MTU - Michigan Technological University, Institute of Wood Research, Houghton, USA				
9 no weight loss even at lowest retention of tebuconazole used; no toxic value calculated				

In addition, the product was tested for fungicidal effectiveness in accordance with the German quality and test regulations (*Güte und Prüfbestimmungen*) for the award of the RAL-quality mark for wood preservatives (RAL-CZ-830).

The results show that Preventol A8 Preservative applied in quantities of 1.3 g/m<sup>2</sup> or more is sufficient to protect the wood against decay.

**INFORMATION ABOUT SAFETY AND HANDLING AND ON ECOLOGICAL AND TOXICOLOGICAL BEHAVIOR IS GIVEN IN OUR MATERIAL SAFETY DATA SHEET AND IN OUR SUMMARY OF TOXICITY AND ECOTOXICITY.**

## DIRECTIONS FOR USE

**IMPORTANT: Labeling directions, precautionary statements and restrictions for all other products recommended in this bulletin must be followed.**

### Wood-based Composite Products

**GENERAL:** Preventol A8 Preservative is recommended to preserve wood-based composite products, such as waferboard, fiberboard, particleboard, plywood and oriented-strand board to prevent the growth of mildew, blue stain and wood destroying fungi on the composite product. These composites are used in the following applications: millwork, including door and window frames; exterior siding; construction lumber; and exterior wood. Composite wood treated with Preventol A8 Preservative does not change in appearance and may be painted when dry.

Preventol A8 Preservative may be applied into a wood composite through a number of methods, including:

- a) Metering Preventol A8 Preservative onto the dried wood flakes, fibers, etc. immediately before the blender. The Preventol A8 Preservative is then mixed with flakes in the blender.
- b) Mixing Preventol A8 Preservative with the wood flakes in the blender.
- c) Mixing Preventol A8 Preservative with the adhesive or wax which is subsequently applied to the flakes in the blender.

The method of incorporation of Preventol A8 Preservative will depend on the specific manufacturing process and wood species used for the composite.

The suggested use level is 0.01 to 0.03 lbs. Preventol A8 Preservative per cubic foot of wood, or 0.025 to 0.075% Preventol A8 Preservative, based on dry board weight.

ALL OF THE ABOVE USES ARE NON-SOIL CONTACT NON-FUMIGATION TREATMENTS

### Wood Products Intended for Above Ground and In-Ground Contact

**GENERAL:** Preventol A8 Preservative is recommended for the preservation of wood intended for above-ground and/or in-ground contact, such as Ponderosa pine, Scots pine, Southern yellow pine, beech, oak, birch, and other wood species susceptible to decay by rotting fungi. Such uses include railway sleepers, fence posts, poles, horticultural posts, etc. Wood preserved with Preventol A8 Preservative alone does not change in appearance and may be painted when dry.

Preventol A8 Preservative may be applied to wood by dissolving in a suitable solvent and adding auxiliaries such as: water and/or organic solvents, emulsifiers, fixating agents, paraffin wax or resins, additional active ingredients (to protect against fungi and/or insects, including termites), dyestuffs, pigments, penetration improvers and other auxiliaries.

The method of incorporation of Preventol A8 Preservative will depend on the specific treating process and wood species to be treated and intended use of the treated wood.

Preventol A8 Preservative may be applied by dip, double vacuum or pressure treatment methods. Solution uptake and treatment conditions for each method should result in a 0.003 to 0.05 pcf (lbs/ft<sup>3</sup>) retention of active ingredient in the treated article. Wood for in-ground contact generally needs the highest treatment retention.

**Dip:** For dip treatment, wood should be used only for above-ground uses that are continually protected from direct exposure to weather. Immerse wood completely until enough solution has been absorbed to meet the retention requirements given above. Use dip treatment procedures consistent with the equipment being used and standard treatment practices. In general, an immersion time of 3 minutes in a 0.5% solution of Preventol A8 Preservative will be sufficient.

**Double Vacuum:** For double vacuum treatment, stack the wood in the treatment vessel so that it will remain submerged. In general, a treating solution concentration of 0.5% of Preventol A8 Preservative will be sufficient. Pull vacuum of -10 inches for five minutes. Fill the vessel, allow the pressure to return to atmospheric and discharge preservative solution. Pull a vacuum of -20 inches and maintain for twenty minutes. Return to atmospheric pressure and drain preservative.

**Pressure Treatment:** For pressure treatment follow the general requirements of the American Wood Preservers Association Standard C-1.

The suggested use level is 0.003 - 0.03 lbs. Preventol A8 Preservative per cubic foot of wood.

ALL OF THE ABOVE USES ARE NON-FUMIGATION TREATMENTS

#### **Plastics Preservation**

**GENERAL:** Preventol A8 Preservative is recommended for use as a fungicide (mildewcide) in PVC, polyurethane, and other polymers used for the production of shower curtains, tarpaulins, sun umbrellas and other plastics products.

Preventol A8 Preservative should be used at an application rate of 0.3 - 1.2% of Preventol A8 Preservative based on the weight of the finished formulation. To insure uniform distribution in the end product it is recommended that Preventol A8 Preservative be pre-blended with plasticizer or other liquid ingredient of the finished formulation before the final production step. The treatment is recommended up to a temperature of 350°F and is limited only by decomposition of the substance.

Other use recommendations include the following: the maximum level of protection is achieved if Preventol A8 Preservative is combined with a second fungicide, e.g. N-octyl isothiazolinone. Recommended concentrations for a combination of Preventol A8 Preservative and this active substance are in the ratio 2:1 - 4:1 (in plastics this calculates as 0.3 - 0.8% active ingredient).

#### **Coatings and Paint Systems**

**GENERAL:** Preventol A8 Preservative is effective against a wide variety of mold fungi for the preservation of coating films. The exact concentration of Preventol A8 Preservative will vary with the composition of the coating to be protected and with the risk of infestation. To reach optimum effectiveness, preliminary testing with the ranges provided below is recommended to determine the most appropriate amount of Preventol A8 Preservative to be used.

Preventol A8 Preservative can be ground together with the pigments, or can be pre-dissolved in a suitable solvent and added at the end of the manufacturing cycle. In both cases, Preventol A8 Preservative should be distributed homogeneously in the coatings to be protected.

Recommended concentration of Preventol A8 Preservative in emulsion paints for exterior use:

- o 1.0 - 2.0% (calculated on total solid content)

To achieve the maximum level of protection, Preventol A8 Preservative can be combined with other mildewcides such as 3-iodo-2-propinylbutyl carbamate [IPBC], or N-octylisothiazolinone.

Recommended concentration for a combination of Preventol A8 Preservative and 3-iodo-2-propinylbutyl carbamate [IPBC] (2:1) in emulsion paints for exterior use:

- o 0.3 - 0.8% of the combination (calculated on total solid content)

Recommended concentration for a combination of Preventol A8 Preservative and N-octylisothiazolinone (2:1) in emulsion paints for exterior use:

- o 0.3 - 0.8% of the combination (calculated on total solid content)

Recommended concentration of Preventol A8 Preservative in coatings for paper and paperboard (non-food contact):

- o 0.1 - 2.0% (calculated on coating applied to paper/paperboard)

**Glues and Adhesives**

**GENERAL:** Preventol A8 Preservative can be used as an additive to glues and adhesive formulations to prevent infestation by a wide variety of fungal organisms. With the use of Preventol A8 Preservative, it is possible to protect both the post-application, wet stage and the dry film of such products against fungal attack. A long-lasting effect is secured, as Preventol A8 Preservative is practically non-volatile and insoluble in water.

Recommended uses include, but are not limited to the following:

- o casein containing adhesives, such as that used for labeling and books;
- o starch-based glues typically used in wallpaper;
- o dextrin adhesives;
- o synthetic polymer-based adhesives, such as acrylic, styrene butadiene, and polyvinyl alcohol ; and
- o animal glues, such as bone, skin and gelatin-based glues

Recommended levels are 0.75 - 2.0% active ingredient based on the total weight of product to be protected. The powdered preservative should be mixed thoroughly with the glue powder. Additions depend on the composition of the glue, the conditions in which it is to be used, and the degree of protection required. Preventol A8 Preservative can also be added to liquid formulations, however, good stirring is required to achieve even distribution throughout the adhesive formulation. Also, Preventol A8 Preservative may be dissolved in suitable solvents prior to addition to the adhesive formulation. To reach optimum effectiveness, preliminary testing with the ranges provided is recommended to determine the most appropriate amount of Preventol A8 Preservative to be used.

Enhanced protection is achieved if Preventol A8 Preservative is combined with a second mildewcide, e.g. 3-iodo-2-propinylbutyl carbamate [IPBC], or N-octyl isothiazolinone.

Recommended concentration for a combination of Preventol A8 Preservative and 3-iodo-2-propinylbutyl carbamate [IPBC] (2:1) in glues and adhesives for fungicidal protection:

- o 0.3 - 0.8% of the combination (calculated on total formula weight)

Recommended concentration for a combination of Preventol A8 Preservative and N-octylisothiazolinone (2:1) in glues and adhesives for fungicidal protection:

- o 0.3 - 0.8% of the combination (calculated on total formula weight)

Note: Adhesives formulated for food packaging applications may require approval by the Food and Drug Administration.

**Metalworking/Cutting Fluids**

Preventol A8 Preservative may be used in aqueous-based metalworking, cutting cooling and lubricating fluids to prevent fungal growth. It can be incorporated into the original concentrate of metalworking fluids by adding the preservative under stirring until the preservative is completely dissolved. Depending on the metalworking fluid type, it may be advantageous to pre-dissolve Preventol A8 Preservative in a suitable solvent. Lab trials to check the compatibility of the fluid to be preserved with the preservative are strongly recommended. Preventol A8 Preservative should be added to the metalworking fluid concentrate in amounts sufficient to yield the desired concentration of active ingredient in the diluted composition. If Preventol A8 Preservative is to be added directly to the diluted metalworking fluid, it should first be dissolved in a suitable solvent. For a homogeneous mixture of substrate and preservative, add the preservative at a point in the system where good circulation is assured.



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Preventol A8 Preservative prevents growth of mold-fungi. If supplementary protection against bacterial growth is required, Bayer Corporation recommends combination with a suitable bactericide.

Recommended Concentrations:

**Metalworking fluids - Mineral Oil Based**

Metalworking fluids (concentrates): 2.0 - 4.0%  
Metalworking fluids (ready to use): 0.1 - 0.2%

**Metalworking fluids - Non-Mineral Oil Based**

Metalworking fluids (concentrates): 2.0 - 4.0%  
Metalworking fluids (ready to use): 0.1 - 0.2%

Bayer Chemicals Corporation  
100 Bayer Road  
Pittsburgh, PA 15205-9741

The conditions of your use and application of our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance and information to determine to your own satisfaction whether they are suitable for your intended uses and applications. This application-specific analysis at least must include testing to determine suitability from a technical as well as health, safety and environmental standpoint. Such testing has not necessarily been done by Bayer Corporation. All information is given without warranty or guarantee. It is expressly understood and agreed that the customer assumes and hereby expressly releases Bayer from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance and information. Any statement or recommendation not contained herein is unauthorized and shall not bind Bayer. Nothing herein shall be construed as a recommendation to use any product in conflict with patents covering any material or its use. No license is implied or in fact granted under the claims of any patent.