



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

December 15, 2014

Valerie T. Phillip  
The Dow Chemical Company  
400 Arcola Road, P.O. Box 7000  
Collegeville, PA 19426

Subject: Label Amendment – Synchronize language across product line  
Product Name: BIOBAN MT 20 Antimicrobial  
EPA Registration Number: 707-321  
Application Date: December 11, 2014  
Decision Number: 498205

Dear Ms. Phillip:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance

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with FIFRA section 6. If you have any questions, please contact me by phone at 703-347-0163, or via email at [murasaki.seiichi@epa.gov](mailto:murasaki.seiichi@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "SEIICHI MURASAKI". The signature is stylized with a large initial "S" and "M".

Seiichi Murasaki  
Acting Product Manager 33  
Regulatory Management Branch I  
Antimicrobials Division (7510P)  
Office of Pesticide Programs

# BIOBAN™ MT 20 Antimicrobial

Industrial Microbicide For Use In Polymer Latices, Mineral Dispersions, Adhesives, Tackifiers, Paints and Coatings, Commercial Photoprocessing Systems, Photographic Emulsions, Printing Fluid, Building Materials, In-Can Preservation, Electronic Chemicals, and Metal Working Fluids



100 INDEPENDENCE MALL WEST  
PHILADELPHIA, PA 19106  
TELEPHONE: (215) 592-3000

#### ACTIVE INGREDIENTS:

2-methyl-4-isothiazolin-3-one 20%

INERT INGREDIENTS: 80%

Total: 100%

**ACCEPTED**

12/15/2014

Under the Federal Insecticide, Fungicide,  
and Rodenticide Act as amended, for the  
pesticide registered under  
EPA Reg. No. 707-321

**KEEP OUT OF REACH OF CHILDREN  
DANGER  
FIRST AID**

#### IF ON SKIN:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 min.
- Call a poison control center or doctor for treatment advice.

#### IF IN EYES:

- Hold eye open and rinse slowly and gently with water for 15-20 min.
- Remove contact lenses, if present, after first 5 min. then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.

#### IF INHALED:

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to- mouth if possible.
- Call a poison control center or doctor for further treatment advice.

#### IF SWALLOWED:

- Call a poison control center or doctor immediately for treatment advice.
- Do not induce vomiting unless told to do so by a poison control center or doctor.
- Have person sip a glass of water if able to swallow. Do not give anything to an unconscious person.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**IN CASE OF EMERGENCY CALL ROHM AND HAAS COMPANY 215-592-3000**

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsions may be necessary.

**SEE SIDE PANELS FOR ADDITIONAL PRECAUTIONARY STATEMENTS.**

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

## DANGER

### CORROSIVE

**CAUSES IRREVERSIBLE EYE DAMAGE AND SKIN BURNS**

**MAY BE FATAL IF SWALLOWED, INHALED OR ABSORBED THROUGH THE SKIN**

Do not get in eyes, on skin, or on clothing. Mixers, loaders and others exposed to this product must wear: long-sleeved shirt and long pants; chemical resistant gloves such as nitrile or butyl rubber, shoes plus socks; goggles and face shield; and chemical resistant apron. Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Users should remove clothing immediately if pesticide gets inside.

Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly. This product may cause skin sensitization reactions in some people.

#### **ENVIRONMENTAL HAZARDS**

This product is toxic to fish and wildlife. 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 local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA. Do not contaminate water by cleaning of equipment or disposal of waste. Apply this pesticide only as specified on this label.

#### **STORAGE AND DISPOSAL**

##### **PESTICIDE STORAGE**

This product is corrosive to mild steel. Do not store or transport in unlined metal containers. Do not contaminate with strong oxidizing or reducing agents. Do not contaminate water, food, or feed by storage or disposal or cleaning of equipment. Do not apply this product in a way that will contact workers or other persons.

##### **PESTICIDE DISPOSAL**

Pesticide wastes are acutely hazardous. 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**

Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by procedures approved by state and local authorities.

#### **GENERAL**

CONSULT FEDERAL, STATE, OR LOCAL DISPOSAL AUTHORITIES FOR APPROVED ALTERNATIVE PROCEDURES

#### **CONDITIONS OF SALE AND WARRANTY**

Rohm and Haas warrants that this product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. ROHM AND HAAS MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES, EITHER OF MERCHANTABILITY OR FITNESS, FOR A PARTICULAR USE. Handling, storage, and use of the product by Buyer or User are beyond the control of Rohm and Haas and Seller. Risks such as ineffectiveness or other unintended consequences resulting from, but not limited to, failure to follow directions will be assumed by the Buyer or User. IN NO CASE WILL ROHM AND HAAS OR SELLER BE HELD LIABLE FOR CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGES RESULTING FROM THE HANDLING, STORAGE, OR USE OF THIS PRODUCT.

Date of Manufacture:  
EPA Reg. No. 707-XXX  
EPA Est. No.

#### **DIRECTIONS FOR USE**

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

**Refer to the table at the end of this section for dosing details for the following applications.**

#### **IN-CONTAINER PRESERVATION**

BIOBAN™ MT 20 Antimicrobial is recommended as an in-container preservative for the control of bacteria and fungi in industrial and household consumer products, including all-purpose household and industrial liquid cleaners, furniture and floor care products, liquid laundry products, fabric softeners, air fresheners, automotive products, car washes, polishes for floors and furniture, shoe polishes, moist sponges and wipes or towelettes, spray starch, waxes and automotive polishes, carpet cleaners and spot removers, hand and automatic dish detergents, raw materials for cleaning products, such as surfactants and silicone emulsions.

#### **SURFACTANT CONCENTRATES**

BIOBAN™ MT 20 Antimicrobial is recommended as a preservative for the control of bacteria and fungi in surfactants used in industrial and household consumer products.

#### **MINERAL DISPERSIONS PRESERVATION**

BIOBAN™ MT 20 Antimicrobial is recommended for the control of bacteria and fungi in the manufacture and storage of mineral dispersions.

#### **PRINTING FLUID PRESERVATION**

BIOBAN™ MT 20 Antimicrobial is recommended for the control of bacteria and fungi in water-based printing inks such as flexographic, gravure screen and ink jet printing inks.

BIOBAN™ MT 20 Antimicrobial is recommended for the control of bacteria and fungi in the manufacture and storage of printing ink components such as resins, plasticizers, water soluble dyes, pigments, gelling agents, waxes, surfactants, and thickeners.

BIOBAN™ MT 20 Antimicrobial is recommended for the control of bacteria and fungi in fountain solutions used for lithographic printing operations. BIOBAN™ MT 20 Antimicrobial should only be used in those fountain solution concentrates that are automatically diluted prior to use.

BIOBAN™ MT 20 Antimicrobial is also recommended as a preservative for photoplate processing chemicals such as stabilizer solutions. BIOBAN™ MT 20 Antimicrobial should be added to the fountain solution or processing chemical concentrate at a level to ensure that the final use-dilution fluid will contain the desired concentration.

**PHOTOGRAPHIC EMULSION PRESERVATION**

BIOBAN™ MT 20 Antimicrobial is recommended as an in-container preservative for the control of bacteria and fungi in the manufacture and storage of aqueous based materials such as gel solutions, dispersions and emulsions used in the manufacture of photographic products.

To ensure uniform distribution, slowly disperse BIOBAN™ MT 20 Antimicrobial into product with agitation. Mix thoroughly until evenly dispersed throughout the product.

NOTE: Regardless of the manner of incorporation the total active ingredient in the system should at no time exceed 150 ppm in the final use dilution

lbs. of product per 1000 lbs. fluid	kg of product per 453 kg fluid	ppm of BIOBAN™ MT 20	ppm active ingredient
0.125 lbs.	0.057 kg	125 ppm	25 ppm
0.75 lbs.	0.34 kg	750 ppm	150 ppm

**Refer to the table at the end of this section for dosing details for the following applications**

**POLYMER LATEX PRESERVATION**

BIOBAN™ MT 20 Antimicrobial is recommended for the control of in the manufacture and storage of synthetic and natural polymer lattices.

**ELECTRONIC CHEMICALS PRESERVATION**

BIOBAN™ MT 20 Antimicrobial is recommended for the control of bacteria and fungi in electronic chemicals.

lbs. of product per 1000 lbs. fluid	kg of product per 453 kg fluid	ppm of BIOBAN™ MT 20	ppm active ingredient
0.5 lbs.	0.23 kg	500 ppm	100 ppm
0.1.25 lbs.	0.57 kg	1250 ppm	250 ppm

**Refer to the table at the end of this section for dosing details for the following applications**

**ADHESIVE AND TACKIFIER PRESERVATION**

BIOBAN™ MT 20 Antimicrobial is recommended as an in-container preservative for the control of bacteria and fungi in water-soluble and water-dispersed adhesives and tackifiers.

**PAINT AND COATING PRESERVATION**

BIOBAN™ MT 20 Antimicrobial is recommended as an in-container preservative for the control of bacteria and fungi in water-based coatings such as paper and wood coatings, and paints used for architectural product finishes, and special purpose products.

**BUILDING MATERIAL PRESERVATION**

BIOBAN™ MT 20 Antimicrobial is recommended as an in-container preservative for the control of bacteria and fungi in building materials such as mastics, caulks, joint cements, spackling and grouting.

lbs. of product per 1000 lbs. of fluid	kg of product per 453 kg fluid	ppm of BIOBAN™ MT 20	ppm active ingredient
0.375 lb.	0.17 kg	375 ppm	75 ppm
0.75 lb.	0.34 kg	750 ppm	150 ppm

**FOOD CONTACT**

As an antimicrobial agent for the adhesives and components of adhesives at a level not to exceed 150 ppm active ingredient.  
As an antimicrobial agent for polymer latex emulsions in paper coatings at a level not to exceed 250 ppm active ingredient.

As an antimicrobial agent for finished paper and paperboard including latex emulsions, fillers, binders, pigment slurries, and sizing solutions at a level not to exceed 150 ppm active ingredient in the individual additives and not to exceed 150 ppm in the finished coating formulation

**METALWORKING FLUID PRESERVATION-TANKSIDE ADDITION**

BIOBAN™ MT 20 Antimicrobial is recommended for the control of bacteria and fungi in water-extendible metalworking fluids (soluble oil, semi synthetic and synthetic types). The preservative should be dispensed as a tankside additive into the circulating use-dilution of the metalworking fluid using a metering pump, or by manual pouring, and uniformly dispersed throughout the system. Dosing: Use BIOBAN™ MT 20 Antimicrobial at 2.5 to 5.0 pints (3.0 to 6.0 lbs or 75 to 150 ppm active ingredient) per 1000 gallons metalworking fluid every 1-6 weeks. A higher dosage range and/or increased frequency of treatment may be required depending upon rate of dilution of the preservative with makeup fluid, the nature and severity of contamination, level of control required, filtration effectiveness, system design

**METALWORKING FLUID CONCENTRATES**

BIOBAN™ MT 20 Antimicrobial is recommended for the control of bacteria and fungi in water-extendible metalworking fluids (soluble oil, semi synthetic and synthetic types) when added to the metalworking fluid concentrates. BIOBAN™ MT 20 Antimicrobial should be added to the concentrate at a level to ensure that the final use-dilution metalworking fluid will contain BIOBAN™ MT 20 Antimicrobial at 375 to 750 ppm (75 to 150 ppm active ingredient). Refer to the below listed table for dosing details.

NOTE: Regardless of the manner of incorporation, the total active ingredient level in the system should at no time exceed 150 ppm in the final use dilution.

Dilution of Metalworking Fluid Concentrates	Dose Level	Lbs. BIOBAN™ MT 20 per 100 Gal. Conc.	Quarts BIOBAN™ MT 20 per 100 Gal. Conc.
15:1	Minimum	4.5 lbs	1.9 quart
15:1	Maximum	9.0 lbs	3.8 quarts
20:1	Minimum	6.0 lbs	2.5 quart
20:1	Maximum	12.0 lbs	5.0 quarts
25:1	Minimum	7.5 lbs	3.1 quarts
25:1	Maximum	15.0 lbs	6.2 quarts

BIOBAN™ MT 20 Antimicrobial weighs 8.8 lbs/gal