

AMERSTAT® 233

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DO NOT REPRODUCE COPY

MICROBIOCIDIC FOR INDUSTRIAL USE ONLY

ACTIVE INGREDIENTS:

Tetrahydro-3,5-dimethyl-2H-
1,3,5-thiadiazine-2-thione.....24%

INERT INGREDIENTS*.....76%

*Inert ingredients include solubilizing agents.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

Corrosive. Causes eye damage and skin irritation. May cause allergic skin reaction. Do not get in eyes, on skin, or on clothing. Harmful if swallowed. Avoid contamination of food.

Wear goggles or face shield and rubber gloves when handling. Wash thoroughly after handling. Use with adequate ventilation. See statement of practical treatment.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public waters unless this product is specifically identified and addressed in an NPDES permit. 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 Environmental Protection Agency.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

NET CONTENTS MARKED ON DRUM

This product is effective as a slimeicide for controlling the growth of slime in papermills. It is also effective as a preservative in aqueous systems including paint and coatings, adhesives and animal glues, inks, latex, mineral slurries, drilling muds, metalworking fluids and paper coatings. AMERSTAT® 233 microbicide is an effective mildewicide in paints and coatings and in adhesives and animal glues.

DIRECTIONS FOR USE

GENERAL CLASSIFICATION:

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Refer to the AMERSTAT® 233 Product Data Sheet for use directions and other technical information.

STORAGE AND DISPOSAL

STORAGE: Do not contaminate water, food, or feed by storage or disposal. Containers should be stored in a cool, dry, well ventilated area. Exercise due caution to prevent damage to or leakage from the container. Guard against contamination to prevent decomposition.

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 Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Triple rinse (or equivalent) all containers 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. Plastic containers may also be disposed of by incineration or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

KEEP OUT OF REACH OF CHILDREN DANGER

STATEMENT OF PRACTICAL TREATMENT

If swallowed, promptly drink a large quantity of milk, beaten egg whites or gelatin solution. If these are not available, drink large quantities of water. Call a physician at once. Never give an unconscious person anything by mouth.

If on skin, immediately flush contacted area with copious quantities of water for at least 15 minutes. Remove and wash contaminated clothing.

If in eyes, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA Reg. No. 1757-41-AA

EPA Est. No. 1757-NJ-1

1757-NJ-2

1757-TX-1

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IMPORTANT NOTICE Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label under normal conditions of use. THE FOREGOING WARRANTIES ARE EXCLUSIVE AND ARE IN LIEU OF ALL OTHER WARRANTIES, WHETHER WRITTEN ORAL OR IMPLIED. THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, IN OTHER RESPECTS THAN AS EXPRESSLY SET FORTH HEREIN, ARE EXPRESSLY EXCLUDED AND DISCLAIMED.

AMERSTAT® 233 is a water miscible microbial control agent possessing broad spectrum activity. AMERSTAT® 233 is effective as a slimeicide for controlling the growth of slime in papermills. It is also effective as a preservative in aqueous systems including paint and coatings, adhesives and animal glues, inks, latex, mineral slurries, drilling muds, metal working fluids and paper coatings. AMERSTAT® 233 is an effective mildewicide in paints and coatings and in adhesives and animal glues.

TYPICAL PROPERTIES

Active Ingredients: Tetrahydro-3,5-dimethyl-2H-1,3,5-thiadiazine-2-thione

Appearance: Clear pale yellow to amber liquid

Flash Point: 150-155°F (PMCC)

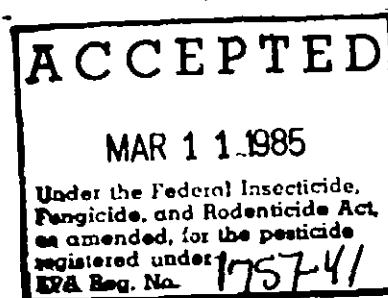
Specific Gravity: 1.16 - 1.20 at 25°C

Solubility: Complete in all proportions

PACKAGING

Container: 55 Gal Lined Steel Drum

Net Weight: 530 lbs.



DIRECTIONS FOR USE

The dosage of AMERSTAT® 233 for any given application will depend on a number of factors such as the type of system being treated, the nature and extent of microbiological contamination the degree of control required, temperature and pH. AMERSTATS 233 should be added at a point in the system where sufficient agitation will insure good dispersion. Where necessary, your Drew representative will arrange for microbiological and chemical analysis to resolve specific contamination problems.

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SLIMICIDE APPLICATIONS

AMERSTAT® 233 is effective in controlling the growth of slime-producing microorganisms which may adversely affect the production of paper and paperboard by causing breaks or spots. Dosage will vary from 0.5 to 2.0 pound of AMERSTAT® 233 per ton of dry paper or paperboard products. Dosage depends on the type of stock, complexity of the system, quality of raw water and type and degree of contamination. AMERSTAT® 233 may be drip fed continuously from the drum or fed by any suitable chemical feed system. Feed points may include the hydropulper, machine chest or broke system.

PRESERVATIVE APPLICATIONS

Many aqueous systems require protection against microbial degradation which may result in changes in physical properties or performance characteristics such as pH drift, viscosity and color variations, and foul odor emissions. AMERSTAT® 233 will effectively protect paints and coatings, adhesives and animal glues, latex, inks, paper coatings and mineral slurries when used at a dosage level of 0.05-1.00%. Cutting fluids and other metal-working fluids are generally protected with 0.1 - 0.5%.

AMERSTAT® 233 is also an effective preservative useful in controlling bacterial and fungal growths in drilling muds, gypsum muds, packer fluids and underground flood water. Treatment levels are 0.005 - 1.0% by weight per barrel of mud or packer fluid and 10 - 500 ppm in underground flood water.

With any preservative application, AMERSTAT® 233 should be added as early as possible to the system and should be added where there is good agitation. Good housekeeping and protection of raw materials will aid in the effectiveness of the preservative.

MILDEWICIDE APPLICATIONS

Paints and other coatings, adhesives and animal glues are also subject to biodegradation after the material has been applied and allowed to cure. This growth may result in discoloration and deterioration of the film. AMERSTAT® 233 at a dosage of 0.1 - 1% will protect these films from attack by mildew.