

# AMERSTAT 300

LIQUID FOR CONTROL OF BACTERIA, FUNGI AND YEAST

INDUSTRIAL

POTENTIAL SKIN SENSITIZER

DANGER POISON CORROSIVE

GUARANTEE

**2,2-Dibromo-3-Nitrilopropionamide . . . 20%**

REGISTRATION No. **15505** PEST CONTROL PRODUCTS ACT

**READ THE LABEL BEFORE USING**

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LOT #

Solenis Canada ULC

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Emergency Telephone: 1-844-SOLENIS (1-844-765-3647)

**DIRECTIONS FOR USE:**

Amerstat 300 provides a broad spectrum of control of bacterial, fungal, and yeast growths in paper mills, metalworking fluids and enhanced oil recovery systems at low treatment levels. Add Amerstat 300 separately to the system being treated. Do not mix with other additives, in order to avoid decomposition of Amerstat 300 due to the high pH of many additive formulations.

**PAPER MILLS**

For the control of bacterial, fungal and yeast growth in pulp, paper and paper-board mills, add Amerstat 300 at the rate of 60-210 mL/tonne of pulp or paper (dry basis). Addition may be continuous or intermittent, depending upon the type of system and the severity of contamination. It should be made with a metering pump at a location that will insure uniform distribution of Amerstat 300 in the mass of fiber and water such as the beaters, Jordan refiners inlet or discharge, broke chests, furnish chests, save-alls and white-water tanks.

Heavily fouled systems should be boiled out, then treated with 60-140 mL Amerstat 300/tonne of paper (dry basis), as necessary for control.

Moderately fouled systems should be treated continuously with 140-210 mL Amerstat 300/tonne of paper (dry basis) until the slime accumulation is controlled. Addition rates can then be reduced

to 60-140 mL Amerstat 300/tonne of paper on a continuous or intermittent basis, as needed for control. Dislodged slime may cause breaks in the paper and a cleanup of the paper machine may be advisable.

Slightly fouled systems should be treated continuously with 60-140 mL Amerstat 300/tonne of paper (dry basis) until the slime is controlled, then added on an intermittent basis to maintain control.

### **METALWORKING FLUIDS CONTAINING WATER**

This product is effective in metalworking concentrates which have been diluted in water at ratios of 1:100 to 1:4. For controlling (or inhibiting) growth of bacteria, fungi and yeast that may deteriorate metalworking fluids containing water, add Amerstat 300 to the fluid in the collection tank. Additions should be made with a metering pump.

Initial or Slug Dose: When the system is just noticeably fouled, add 250 mL Amerstat 300/1000 L of metalworking fluid to the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 100-200 mL of Amerstat 300/1000 L of metalworking fluid per day or as needed to maintain control. Additions can be made continuously or intermittently. Slug the system as required.

### **ENHANCED OIL RECOVERY SYSTEMS**

For controlling slime-forming bacteria, sulfide-producing bacteria, yeasts and fungi in oil field water, polymer or micellar floods, water-disposal systems, or other oil field water systems, add 1-80 ppm by weight Amerstat 300 (2-60 mL Amerstat 300/cubic metre of water) depending on the severity of contamination. Additions should be made with a metering pump either continuously or intermittently.

Continuous Feed Method: When the system is noticeably fouled, add 10-80 ppm by weight Amerstat 300 (10-60 mL Amerstat 300/cubic metre of water) continuously until the desired degree of control is achieved. Subsequently, treat with 1-15 ppm by weight Amerstat 300 (2-10 mL Amerstat 300/cubic meter of water) continuously, or as needed to maintain control.

Intermittent or Slug Method: When the system is noticeably fouled, or to maintain control of the system, add 10-80 ppm by weight (10-60 mL Amerstat 300/cubic metre of water) intermittently for 4-8 hours per day, and from 1-4 times per week, or as needed depending on the severity of contamination. Addition of Amerstat 300 may be made at the free water knockouts, before or after the injection pumps and injection well headers.

NOTE: For control of bacteria, yeast and fungi in aqueous solutions of biopolymer used in flooding operations, add 15-80 ppm by weight Amerstat 300 (10-60 mL Amerstat 300/cubic metre of water). Additions of Amerstat 300 should be made with a metering pump immediately after preparation of the aqueous biopolymer solution to prevent loss of viscosity.

### **PRECAUTIONS: POTENTIAL SKIN SENSITIZER**

KEEP OUT OF REACH OF CHILDREN. Amerstat 300 is a toxic material; may cause injury to eyes; may burn the skin; may be harmful or fatal if swallowed. Avoid breathing mists of this material. Do not reuse empty containers. Do not ship or store with food, feeds or clothing.

Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

Users should remove clothing immediately if pesticide comes in contact with skin through soaked clothing or spills. Then wash skin thoroughly and put on clean clothing. Wash contaminated clothing separate from other laundry prior to reuse.

Users should remove protective clothing immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Wear safety glasses or face shield, rubber gloves, a long-sleeved shirt, long pants and shoes plus socks when handling.

#### **ENVIRONMENTAL HAZARDS**

This product is toxic to fish and other aquatic organisms. It is not to be used in circumstances that would cause or allow it to enter lakes, streams, ponds, estuaries, oceans or other waters in contravention of federal or provincial regulatory requirements. The requirements of applicable laws should be determined before using the product.

Treated effluent should not be discharged where it will drain into lakes, ponds, streams or public water. Do not contaminate water by cleaning of equipment or disposal of wastes or containers. Do not discharge effluent containing this product into sewer systems without previously notifying the local sewage treatment plant authority.

#### **FIRST AID:**

If swallowed, Call a poison control centre 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 centre or doctor. Do not give anything by mouth to an unconscious person. If on skin or clothing, Take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes. Call a poison control centre 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 by mouth-to-mouth, if possible. Call a poison control centre 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 eye. Call a poison control centre or doctor for treatment advice.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

#### **TOXICOLOGICAL INFORMATION:**

Contact with eyes may cause conjunctival irritation and corneal injury. The eye should heal without permanent damage or impairment of vision within a week. A single, short skin exposure should result in no significant irritation. Prolonged or frequent skin exposure may cause irritation or a burn. Ingestion of small amounts may be capable of causing serious illness.

#### **DISPOSAL:**

1. Triple- or pressure-rinse the empty container. Add the rinsings to the treatment site.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

**NOTICE TO USER:** This pest control product is to be used only in accordance with the directions on the label. It is an offence under the Pest Control Products Act to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

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