

PRECAUTIONARY STATEMENTS: HAZARDS TO HUMANS AND DOMESTIC ANIMALS Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed. Harmful if absorbed through the skin or inhaled. Do not get in eyes, on skin or on clothing. Avoid breathing spray mist. Applicators and other handlers must wear: coveralls over long-sleeved shirt and long pants, socks and chemical resistant footwear, goggles or face shield and chemical resistant gloves (such as nitrile rubber, butyl rubber, neoprene rubber, and/or barrier laminate, Category C) and chemical resistant apron when using or cleaning a metering pump delivery system. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse.

Do not apply this product in a way that will contact workers or other persons. Follow manufacturer's instructions for cleaning/maintaining personal protective equipment (PPE). If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. If pesticide gets inside clothing, remove clothing immediately, 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 and change into clean clothing.

REPUTAIN® B30

Reputain B30 is a liquid microbicide for use in controlling the growth of bacteria and algae in industrial applications, and as a preservative to inhibit bacterial spoilage during manufacture, distribution, use and storage of industrial, household and institutional products. Not for the control of algae in the State of California.

ACTIVE INGREDIENT: %w/w
 2-bromo-2-nitropropane-1,3-diol.....30.0
 Inert Ingredients:.....70.0
 Total..... 100.0

KEEP OUT OF REACH OF CHILDREN

DANGER PELIGRO

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

FIRST AID:

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 Center or doctor for treatment advice.

If on Skin or Clothing: 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: Call a 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: 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 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 1-800-654-6911 for emergency medical treatment information.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

MANUFACTURED FOR:



5660 New Northside Drive, Suite 1100
 Atlanta, GA 30328

Emergency Contact Number: 1-800-654-6911

EPA Reg. No. 33753-20-1258

EPA EST NO. 70815-GA-001
 NET WEIGHT 542 LBS

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 by cleaning of equipment or disposal of waste.

DIRECTIONS FOR USE: It is a violation of federal law to use this product in a manner inconsistent with its labeling.

GENERAL USE DIRECTIONS

To control the growth of slime-forming, spoilage, odor-causing and corrosion inducing bacteria and algae in industrial applications this product can be dosed directly either by open pouring or by metered pump. Do not apply by open pouring of liquid to cooling water systems; a metering pump system is required for this use and application method. For process application treatments this product may be by slug dose initially when the system is noticeably fouled, and reduced to a maintenance dose once microbial control is evident. For some applications treatment may be by slug dose only, or by maintenance dose only. The recommended dosing regimes (slug/maintenance dose) and the dose rates are as indicated in the individual use area instructions. For preservation during manufacture, distribution, storage and use of industrial, consumer, household and institutional products this product is best added to any liquid phase as late as possible during the manufacturing process. Add after any heating stage, or when the product has cooled to below 40 °C. Ensure good mixing and even distribution throughout the product. See individual use areas for more detailed directions for use.

PAINTS, LATEX AND ANTIFOAM EMULSION SYSTEMS: For in-can preservation of acrylic, styrene-acrylic, polyvinyl acetate and other latex emulsion concentrates, latex emulsion based paints, silicone and other antifoam emulsion systems. Add this product at 280 to 1400 ml/cubic meter or 2.2-11.2 pt/1000 gallons based on the final formulation volume (100 to 500 ppm active ingredient). **CONSUMER, HOUSEHOLD AND INSTITUTIONAL PRODUCTS; SURFACTANTS AND RAW MATERIALS:** For preservation of products such as dishwashing liquids, surface cleaners, polishes, bulk ionic, nonionic, amphoteric and cationic surfactants and raw materials supplied for the manufacture of industrial and consumer products, this product should be dosed at 280 to 1400 ml/cubic meter or 2.2 to 11.2 pints/1000 gallons based on the final formulation volume (100 to 500 ppm active ingredient). **PAPER MILL PROCESS WATER:** Apply at a convenient point early in the process system (machine chest, constant head box or backwater loop system). Shock dose once, twice or three times daily at 1 to 25 ppm a.i. in the process water. This equates to 30 to 700 ml (0.06 to 1.5 pt) per tonne of finished paper or paperboard depending on the complexity of the system, quality of raw paper and type and degree of contamination. **PAPER MILLS-BULK PAPER:** Add Reputain B30 directly into the hydropulper, machine chest or stock chest. Apply Reputain B30 once weekly to once daily at between 150 and 560 ml per tonne of stock or 1.1-4.4 pt/1000gallons (50-200 ppm active ingredient) depending on the degree of contamination. **INDUSTRIAL RECIRCULATING WATER COOLING TOWERS AND EVAPORTIVE CONDENSERS:** Reputain B30 may be dosed directly into the sump or basin or it may be added by a suitable chemical pump. Where metering pumps are used, these must be set to deliver the required dose within 1 hour. The dosing point should be located close to the outlet from the basin to ensure rapid dispersal around the system. Reputain B30 may be dosed once or twice weekly at 70 – 280 ml/cubic meter or 0.56 – 2.2 pt/1000 gallons (25 to 100 ppm active ingredient) depending on the condition of the tower, the quality of raw water input and the amount of bleed off. Where contamination is heavy, more frequent dosing may be required. In heavily fouled systems, the tower should be drained and cleaned before treating with Reputain B30. **INDUSTRIAL PROCESS WATER:** For use in closed circuit machine cooling (injection molding, etc.) and stored (non-potable) water. To reduce the biofouling of pipework, heat exchangers, condenser tubes and minimize microbially produced corrosion. Shock dosing into the sump/tank of the process water system is preferred. Closed circuit systems require less frequent dosing. In open systems shock dosing should be carried out on a once weekly to once monthly basis depending on the degree of contamination. Initially dose at 140 ml/cubic meter, or 1.1 pt/1000 gallons (50 ppm active ingredient). When successful, dosing can be lowered to a minimum level equivalent to 10 ppm active ingredient. For intermittent treatment during routine maintenance use Reputain B30 at 100 ppm active ingredient, and a contact time of at least one hour. **WATER BASED PRINTING INKS:** To inhibit the growth of spoilage bacteria during the storage and use of water based printing inks, including their use as fountain solutions. In can-preservation-Reputain B30 should be dosed at 280 to 1400 ml/cubic meter or 2.2 – 11.2 pt/1000 gallons based on the final formulation volume (100 to 500 ppm active ingredient). During the use of fountain solution shock dose Reputain B30 at 140 to 280 ml/cubic meter (1.1 to 2.2 pt/1000 gallon) depending on the contamination (between 50 and 100 ppm active ingredient). Apply once or twice weekly as a normal routine to the fountain solution sump. **OIL PROCESS WATER:** For use in oil and gas well injection and formation waters. Inject Reputain B30 as a slug dose directly into well and formation waters at 70-280 ml/cubic meter; 0.56-2.2 pt/1000 gallons or 0.0235-0.093 pt/barrel (25-100 ppm active ingredient). A slug dose should be applied from once per week to once per month depending on the severity of contamination. **OIL AND GAS FLUIDS:** This product may be used in terrestrial and off-shore drilling muds and packer fluids. Use for the in-can preservation of a wide range of gels and fluids including fracturing, enhanced oil recovery, injection, well squeeze, drilling, workover and completion fluids. Add Reputain B30 at 140-280 ml/cubic meter (1.1-2.2 pt/1000 gallons, or 0.047-0.093 pt/barrel) which is equivalent to 50-100 ppm active ingredient. For well squeeze fluids and Reputain B30 at 70-560 ml/cubic meter, or 0.56-4.5 pt/1000 gallons (25-200 ppm active ingredient). **OIL AND GAS PIPELINE AND TANK MAINTENANCE:** For use in water bottoms in crude and refined hydrocarbon storage tanks, piping and transportation systems. Inject Reputain B30 directly into the water bottom or pipeline, or add to the hydrocarbon phase. Treat once daily for pipeline maintenance to once every one or two months for both storage and transportation system. Apply Reputain B30 at 70-560 ml/cubic meter, or 0.56-4.5 pt/1000 gallons of aqueous phase (25-200 ppm active ingredient). Higher levels may be added when dosing the hydrocarbon phase which will result in longer term protection by gradual diffusion into the water. **ADHESIVES:** For in-can preservation of water-based adhesives and mastics incorporating acrylate and other polymer dispersions add 140-725 ml, or 0.3-1.5 pt Reputain B30 per 100 lbs. Total formulation weight to any water to be incorporated into the formulation. **ABSORBENT CLAYS:** For in-can preservation impregnate absorbent clays such as fullers earth, sepiolite, attapulgite with Reputain B30 by spraying or pouring 7.0 to 56.0 ml/100 kg clay or 0.11-0.86 fl oz/100 pounds of clay (25-200 ppm active ingredient). **METAL WORKING FLUIDS:** For use in soluble oils, semi-synthetic and synthetic fluids. Add directly to the sump (with agitation) and allow the system to circulate for about one hour before shutdown. In diluted fluids add 700-2800 ml/cubic meter, or 0.7-2.8 gallons/1000 gallons (250-1000 ppm active) to control microbial growth. For maintenance, add 280-1120 ml/cubic meter or 0.28-1.1 gal/1000 gallons (100-400 ppm active ingredient) on a weekly basis preferably in the afternoon before shutdown. The frequency may be increased where significant contamination is identified. Reputain B30 may be incorporated in metalworking fluid concentrate by the manufacturer who should ensure that any incompatibility will not affect efficacy. **STARCH, PIGMENT AND EXTENDER SLURRIES:** For in-can preservation apply Reputain B30 to water based solutions of starch or pigment and extender slurries such as kaolin, calcium carbonate and titanium dioxide. Recommended use rates are 280 to 1400 ml/cubic meter or 2.2-11.2 pt/1000 gallons based on the final formulation volume (100 to 500 ppm active ingredient). **NB: Not for use in pigments in the State of California** **WATER BASED AGRICULTURAL PESTICIDE CONCENTRATES:** For preservation, Reputain B30 should be doses at 280 to 1400 ml/cubic meter or 2.2 to 11.2 pints/1000 gallons based on the final formulation volume (100 to 500 ppm active ingredient). **NB: Not for use in water based agricultural pesticide concentrates in the State of California**

EPA Stamped Label 9/29/09 42101_07272012 Reputain B30_10022012

CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S., (2-BROMO-2-NITRO-1,3-PROPANEDIOL)



The Directions for Use of this product reflect the opinion of experts based on field used and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks 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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