

An Effective, Convenient Biocide Treatment for Metalworking Fluids

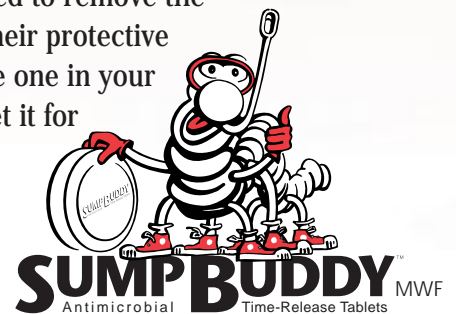
Maximize the life of
your metalworking fluids
and simplify treatment
procedures

SUMP BUDDY* MWF Antimicrobial Time-Release Tablets are a solid form of DBNPA (2,2-dibromo-3-nitrilopropionamide), a highly effective biocide used in metalworking fluids for machining and grinding operations.

Because SUMP BUDDY MWF Time-Release Tablets provide highly effective microbial control at very low use rates, they are convenient and cost effective. Results of studies show that SUMP BUDDY MWF Time-Release Tablets increase the life of your metalworking fluids, and decrease the amount of handling, treatment and monitoring required.

Easy to measure, simple to use
Liquid antimicrobials are difficult to measure and may require frequent applications and monitoring. SUMP BUDDY MWF Time-Release Tablets eliminate messy handling and are easy to use. Just one tablet per 50-gallons offers effective biocide control for 2-3 worry-free weeks.

SUMP BUDDY MWF Time-Release tablets are individually wrapped for your handling protection
With SUMP BUDDY MWF Time-Release Tablets, handling concerns are minimized because each one is wrapped in a water soluble package. You get the strength of DBNPA with reduced potential for exposure from splashing liquids or dusty powders. Although goggles and gloves should be worn when handling the tablets, there is no need to remove the tablets from their protective film. Just place one in your tank and forget it for 2-3 weeks.



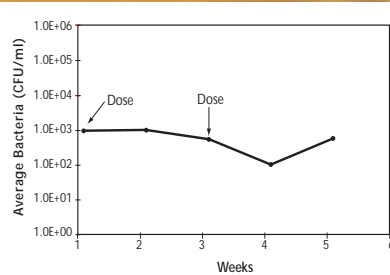
Making Treatment for Metalworking Fluids Easy and Reliable



Simple, continuous delivery. Each SUMP BUDDY MWF Time-Release Tablet is 200 grams (40% active DBNPA) in a water-soluble matrix that releases biocide by dissolving at a controlled rate. The simplicity of SUMP BUDDY MWF Time-Release Tablets offers assured biocide delivery with little chance of overdosing the system. Each tablet takes about two to three weeks to dissolve, maintaining an effective biocide level throughout that time.

No need for costly system modifications, or complex equipment. SUMP BUDDY MWF Time-Release Tablets provide an easier approach to metalworking fluid treatment. A tablet is simply suspended in a bag and placed in the fluid. The tablets can be used in a feeder system; however, a sidestream flow or bypass feed system is not required. There are no pumps or complex mechanical equipment to maintain.

Common Bacterial Profile vs. Time



These results indicate that SUMP BUDDY MWF Time-Release Tablets can effectively maintain metalworking fluids for extended periods of time.

General system conditions.

- ph range: 8.4 - 9.2
- Fluid type: Emulsifiable and semi-synthetic
- Fluid concentration: 2 - 10%
- Fluid condition ranged from good to poor
- Various machining operations
- Metals being machined: Aluminum, stainless steel, mild steel and iron

Economy and convenience. Because each tablet lasts 2-3 weeks, there is less time involved with treatment and monitoring. Also, because your metalworking fluids stay cleaner longer, you spend less money replacing them.

SUMP BUDDY MWF Time-Release Tablets are recommended for smaller metalworking systems, because they add convenience and minimize handling problems in 50-1250 gallon (189-4731 liter) fluid systems.

SUMP BUDDY MWF Time-Release Tablets come packaged 25 tablets per 11 pound pail – enough to treat a typical 200 gallon (757 liter) system for 3-5 months. There are no drum handling or complex equipment worries.

Superior system compatibility and excellent performance.¹ DBNPA, the active ingredient in SUMP BUDDY MWF Time-Release Tablets, is compatible with other treatment chemicals except mercaptobenzothiazole. It maintains reliable control in systems running at acidic, neutral or alkaline pH.

Maintenance and Rescue Treatment. Due to their time-release nature, the tablets are perfect for conveniently treating your metalworking fluid sumps. If your system is rancid, SUMP BUDDY MWF Time-Release Tablets can bring your system under control, but may take 1-2 weeks. Consider using a slug dose biocide to bring your system under control prior to maintenance with SUMP BUDDY MWF Time-Release Tablets.

Average dosage rate: 1 SUMP BUDDY MWF tablet/50 gal., refer to label. SUMP BUDDY MWF Tablets perform best when placed in the mesh bag provided. Hang the mesh bag containing the tablets within the sump in an area of moderate flow. It is possible to hang several mesh bags within a single sump for enhanced dispersion of the product.

Information and assistance. Information on health, safety, and handling for SUMP BUDDY MWF Time-Release Tablets is provided in Material Safety Data Sheets (MSDS). These sheets are available upon request and are included with the first product order of the year and with the first order after an MSDS is revised.

¹ Because of the numerous variables encountered on a day-to-day basis in a machine shop environment, the performance of SUMP BUDDY MWF Time-Release Tablets may vary from sump to sump and site to site.

NOTICE: No freedom from any patent owned by Seller or others is to be inferred. Because use conditions and applicable laws may differ from one location to another and may change with time, Customer is responsible for determining whether products and the information in this document are appropriate for Customer's use and for ensuring that Customer's workplace and disposal practices are in compliance with applicable laws and other government enactments. Seller assumes no obligation or liability for the information in this document. NO WARRANTIES ARE GIVEN; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED.

Published May 1999

