

Metalworking





Rely on
Buckman specialty
chemicals for
your industrial
fluid needs.

Properly maintain fluids. Keep production flowing.

Buckman specialty chemicals offer a wide range of products for metalworking fluids and other industrial applications. Our products include microbicides, deposit control and dispersing agents, emulsion breakers, heavy metal precipitants and defoamers.

Our Busan® and other product lines are unsurpassed in the industry for quality, effectiveness and value. We can help you identify the right products for your application.

The threat of microbial contamination is everywhere—in the water, in the air and in the dust and dirt commonly present in most industrial settings. Left uncontrolled, bacteria, fungi, yeast and molds can deplete additives, destabilize emulsion systems, restrict flow, induce corrosion and generally degrade the performance of industrial fluids. The susceptibility of most industrial metalworking fluids to attack by microorganisms is well known. The result of such an attack may be any one or a combination of offensive odors, split emulsions, changes in pH, and bacterial skin infections of workers using metalworking fluids. The need for adequate microorganism control in both the concentrate and “ready-to use” dilutions has likewise been well established.

Buckman offers microbicides that are approved for use in controlling microbial growth in a number of industrial applications. Your Buckman representative can discuss these products in more detail and provide a recommendation to meet the demands of your application.

MICROBICIDES

Busan® 1078

Characteristics:

- Combines two isothiazolone derivatives; available in a copper-free version
- Water-based, effective at low concentrations over a wide pH range
- Provides broad spectrum microorganism control of aerobic and anaerobic bacteria and fungi

Uses:

- Controls microorganisms in water-based conveyor lubricants
- Controls bacteria, fungi and algae in air washer systems
- Controls microbiological fouling in reverse osmosis systems used for process water and other non-potable applications

Busan 94S

Characteristics:

- Broad spectrum, oxidizing microbicide compatible with chlorine, bromine and nonhalogenated oxidizing biocides

Uses:

- Treatment of industrial process water, reverse osmosis systems and air washer systems
- Preservative to reduce microbiological contamination in raw materials and products such as aqueous slurries, process waters, inks, polishes, waxes, detergents and cleaners

Busan 1060

Characteristics:

- Water-soluble, broad-spectrum microbicide based on the well-established active ingredient,
- Widely used by both manufacturers of metalworking fluids and by end-users to control the growth of microorganisms in water-soluble coolants.



HIGH-PERFORMANCE ADDITIVES

Deposit control/ dispersing agents

Dispersants eliminate or prevent the build-up and deposit of organic slime and debris in aqueous industrial systems, including cooling water, coolants and metalworking fluids. They can be used to enhance the performance of aqueous cleaners and degreasers. Buckman products include:

DMAD - A unique, organic dispersant, solvating agent and film-forming corrosion inhibitor that can be formulated as a component in degreasers and solvent or aqueous based cleaners.

DMAD is a unique amide with hydrophobic and hydrophilic properties. These properties make DMAD an excellent barrier-film corrosion inhibitor. DMAD is strongly attracted to metal, where it forms a uniform, persistent, and protective film. The unique nature of the amide film protects the equipment from corrosion, and prevents sludges and biofilm from adhering.

Emulsion breakers, heavy metal precipitants, coagulants, flocculants

Buckman offers a variety of products to aid in clarification that provide oil separation, precipitation and sedimentation of particulate such as metal and other inorganic fines.

EBC 1 - A liquid cationic polymer that is employed as an oil-in-water emulsion breaker in waste streams containing cutting oils, lubricating oils, coolants, grinding fluids, and tramp oils from industrial machining plants, such as car plants and metal working shops. Oil-in-water emulsion breaker that helps to clarify synthetic coolants, waste streams or other systems where oil is undesirable. Aids in the filtration of tramp oils.

BULAB 5602 - A heavy metal precipitant used to remove metals from waste water streams. It is particularly useful in the treatment of waste water from plating operations. The product is effective over a wide pH range and, when used as recommended, provides nearly complete precipitation of metals, even in the presence of other chelating or sequestering agents.

Defoamers

Buckman offers a number of antifoams and defoamers for use in waste water, cooling water or other industrial aqueous applications where the generation of foam is a problem. Chemistries include water-based, oil-based, silica- and non-silica-containing and glycol-based formulations.

Get today's
most effective
chemistries
for the
metalworking
industry.

Learn more

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