

Metalworking





Rely on Buckman
Performance
Chemicals for
your industrial
fluid needs.

Properly maintain fluids. Keep production flowing.

Buckman Performance 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.

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® 77

Characteristics:

- Polymeric, water-soluble quaternary ammonium compound
- Best used in synthetic metalworking fluid systems, coolants, emulsions or aqueous solutions based on nonionic chemistry

Uses:

- Inhibits bacterial degradation of aqueous solutions of cutting fluids and coolants used in metalworking operations
- Controls the growth of algae, bacteria and fungi in holding and processing tanks containing industrial freshwater systems used in manufacturing plants
- Controls bacteria in industrial air washer systems

Busan 1292

Characteristics:

- Based on propiconazole
- Chemically stable, compatible and effective in a wide range of formulation types

Uses:

- Inhibits fungal degradation of water-based and water-emulsifiable cutting fluids and coolants used in metalworking operations

Busan 110

Characteristics:

- Based on a nonoxidizing biocide, methylene bis(thiocyanate)
- Effective in controlling bacteria and fungi in systems operated at pH levels up to 8.0
- Easily dispersible in water and soluble in many hydrocarbons
- Fast-acting

Uses:

- Controls bacteria and fungi in water-based metalworking fluids
- Controls bacteria and fungi in air washer systems
- Preserves solutions, emulsions, adhesives and other aqueous liquid products
- Preserves crude and refined oils

Busan 1071

Characteristics:

- Combines two highly effective biocides

Uses:

- Controls bacteria and fungi that cause the degradation of crude oil and refined fuel oils during storage including olefinic, aromatic, paraffinic and naphthenic oils; gasoline, biofuel, diesel #1, diesel #2, biodiesel and bunker C

Busan 1265WB

Characteristics:

- Based on a nonoxidizing biocide, methylene bis(thiocyanate)
- Fast-acting
- Effective in controlling bacteria and fungi in systems operated at pH levels up to 8.0

Uses:

- Controls bacteria and fungi in metalworking fluids, lubricants and mineral oil-based products
- Controls bacteria and fungi in polymer dispersions and emulsions

Busan 1078 and 1078CF (copper free)

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 1184

Characteristics:

- Patented, synergistic blend of mixed isothiazolones and a cationic quaternary ammonium polymer
- Effective against green algae, cyanobacteria and nitrifying bacteria
- Best used in synthetic metalworking fluid systems or coolants based on non-ionic chemistry

Uses:

- Prevents microbial degradation and fouling in metalworking fluid systems
- Controls microbiological fouling in industrial air washer systems

Busan 1264

Characteristics:

- An aqueous solution of 1,2 benzoisothiazolone
- Readily degraded in the environment, stable in the presence of amines, with excellent heat stability up to 150°C
- Effective preservative in most aqueous compositions

Uses:

- Effectively controls bacteria in water-based products such as metalworking fluids, adhesives, oil-in-water emulsions

Bronam 20

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 cleansers

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

High-performance additives

Deposit control/ dispersing agents

BSCTM dispersants eliminate or prevent the buildup 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 BSC products include:

BSC 8007: A unique amide that penetrates and disperses deposits.

BSC 8000: A proprietary product that combines the power of a penetrant with dispersant technology for deposit control.

BSC 8020: A proprietary product composed of an organic penetrant, dispersant and demulsifier for deposit control. BSC 8020 contains a cationic quaternary ammonium compound and is best used in synthetic fluids or formulations with nonionic surfactant systems.

DMAD cleaner component: 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.

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: 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.

NAMET[®] and BPL 5111: Heavy metal precipitants that are useful in the treatment of wastewater and effective over a wide pH range.

Defoamers

Buckman offers a number of anti-foams and defoamers for use in wastewater, 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.

Learn more

Don't let contaminants get the best of you. Get the best products from Buckman. For more information about our products, contact your Buckman representative or visit us at buckman.com.

US EPA registered biocides cannot be repackaged, diluted or relabeled without approval from Buckman and subsequent registration with the US EPA. Please contact your Buckman representative if you have any questions concerning your use of Buckman registered biocides.

US EPA registered biocides must be used in approved applications in accordance with the US EPA approved label. Your Buckman representative can answer questions regarding approved uses.

US EPA registered products must be registered with each local state EPA agency prior to shipment into that state. Ask your Buckman representative for information regarding Buckman state registrations.

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Seller warrants that this product conforms to its chemical description and is reasonably fit for the purpose referred to in the directions for use when used in accordance with the directions under normal conditions. Buyer assumes the risk of any use contrary to such directions. Seller makes no other warranty or representation of any kind, express or implied, concerning the product, including **NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS OF THE GOODS FOR ANY OTHER PARTICULAR PURPOSE**. No such warranties shall be implied by law and no agent of seller is authorized to alter this warranty in any way except in writing with a specific reference to this warranty. G41H (07/18)

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