



**OXAMINE®**

## Fuel profits, not microorganisms.

**Stop microorganisms and high chlorine demand with Oxamine®, the power microbicide for oil and gas water systems.**

Whether it's in wastewater or cooling systems, you need clean water and clean equipment to keep production flowing. Unfortunately, leaking contaminants such as diesel, naphthalene, phenol, ammonia and H<sub>2</sub>S can fuel bacterial growth and undermine the effectiveness of chlorine bleach and other conventional oxidizers. And that costs you time, money and lost production. That's why Buckman, a pioneer in water protection since 1945, has developed Oxamine.

Oxamine works better than conventional oxidizing microbicides in high demand systems to keep water systems cleaner, reduce the use of chlorine/chlorides and improve overall efficiency.

# Pump up the protection with Oxamine®

## Don't let contaminants adversely affect your microbicide program.

Switch to powerful, long-lasting Oxamine for unmatched protection. With Oxamine you can optimize heat exchange, reduce downtime, extend equipment life and help ensure the success of water recovery and zero liquid discharge programs.

### Greater stability.

Oxamine is more stable and is not affected by the high organic demand that often plagues refineries and petrochemical plants. So you'll use less of it and save money. Whether your system suffers from high pH, manganese, iron or biological demand, Oxamine can outperform traditional chlorine or bromide water treatments.

### Better penetration.

Effective against a broad range of microorganisms, Oxamine penetrates the colony, instead of just reacting with the surface. So your plant benefits from cleaner cooling tower fill, optimized heat transfer and improved all-around performance in your fresh and reuse water systems.

### Unmatched safety.

Oxamine utilizes Buckman's proprietary feed equipment designed for industry-leading safety and reduced human-chemical contact. Advanced safety features include:

- Leak-proof cabinet and double walled lines
- Automatic flushing in the event power is lost
- Regular inspection by Buckman personnel to ensure efficient, safe operation
- Automated alarm protocols to respond to hazards

- Anti-flood protection
- Full product containment

Plus the Oxamine system can be linked to your DCS or remotely monitored so you can track vital activity.

### Lower total cost.

Oxamine increases efficiency, so your plant can use less energy, reduce operating costs and reduce downtime.

You save on:

- Equipment—feed technology is owned and maintained by Buckman, so no capital investment is necessary.
- Chlorine and other chemistries—cut bleach use by 60–70%.
- Chemical interference—Oxamine won't undermine the efficacy of your other chemistries.
- Maintenance & repair—reduce the corrosion that causes downtime and expense.

### Reduced environmental impact.

Oxamine is more environmentally friendly than conventional treatments, lowering the potential toxicity of your plant's effluent. Chemical discharge to lakes and rivers can be significantly reduced.

You can rely on Oxamine for:

- Longer lasting residual effectiveness
- Lower oxidation potential
- Degradation into simple, nontoxic salts
- No contribution of organic contaminants.

## Start treating your water, your plant and the environment better with Oxamine.

The sooner you switch, the sooner you can start saving. Buckman makes it easy. Contact a Buckman representative or visit [buckman.com](http://buckman.com) for more information.

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