

OXAMINE[®]

THE MICROBICIDE FOR RO





Because it's not just about RO. It's about **ROI** and **ROE**.

For years, our customers have trusted Buckman for outstanding water treatment technology and expertise to improve operating performance and cost. And with the addition of Oxamine® to our water treatment chemistries, we are confident our capabilities are unmatched.

Oxamine works better than conventional microbicides in high demand systems to keep surfaces cleaner, reduce the use of corrosive chlorides, and improve the efficiency and lifespan of reverse osmosis membranes.

With Oxamine, Buckman's Permeate Protector Program can take your RO performance to the next level, improving Return On Investment (ROI) as it improves Return On Environment (ROE). It's another big step forward in reverse osmosis.



OXAMINE® is Highly Effective.

OXAMINE is a highly effective, mild oxidizing microbicide. By specifically interacting with cellular components, Oxamine disrupts microbial metabolism, leading to the destruction of microorganisms. Unlike traditional treatments, Oxamine remains effective even in the presence of high organic oxidant demand—a common challenge in desalination systems—allowing for lower treatment rates.

Oxamine excels in various conditions, including high pH, manganese, iron, or biological demand. It outperforms traditional treatments by effectively controlling a broad spectrum of microorganisms, ensuring clean water and equipment.

OXAMINE SAVES MONEY.

Excessive chlorine demand leads to corrosion. Oxamine can help with that. By cutting chlorine donor use by 60–70%, you'll be able to cut chemistry costs and avoid downtime. Even better, Oxamine dosage can be just a fraction of what alternative microbicides recommend. And Oxamine won't undermine the efficacy of other chemicals.

OXAMINE IS GREENER.

Oxamine is more environmentally friendly than conventional halogen treatments, degrading into simple, nontoxic salts while minimizing the formation of AOX compounds. Chemical discharge to lakes and rivers can be significantly reduced.



OXAMINE® IS SAFER.

The Oxamine microbicide program comes with proprietary feed equipment designed for industry-leading safety. Advanced safety features include:

- **Leak detection**
- **A built-in separator** to keep active ingredients apart in the case of a line break or other issue
- **Automatic flushing** in case power is lost
- **Regular inspection** by Buckman personnel to ensure efficient, safe operation

With Oxamine, the potential for human–chemical contact is greatly reduced. And so are unexpected costs because the equipment is owned and maintained by Buckman—no capital investment is necessary. And we can link it to your DCS or remote monitoring system so you can track vital activity.



OXAMINE® IS PART OF A COMPREHENSIVE RO PROGRAM.

Although Oxamine is a key part of the Buckman Permeate Protector Program, it is but one of many advanced membrane technologies that Buckman employs to keep systems clean.

TESTING AND MONITORING

Buckman provides comprehensive RO system testing & assessment to optimize performance every step of the way:

On-Site Lab Testing

Membrane Autopsies

Accurately assesses performance and treatment needs.

French Creek® Modeling Software

Allows Buckman to predict scaling potential of feedwater for proactive treatment.



ANTIFOULING

In addition to Oxamine®, Buckman can apply a full range of effective oxidizing and non-oxidizing biocides and industry-leading scale control programs.

MEMBRANE CLEANERS

Buckman's acidic and alkaline formulations remove inorganic and organic foulants quickly so you can reduce cleaning time and extend RO membrane life.

UPGRADING TO OXAMINE AND THE BUCKMAN PERMEATE PROTECTOR PROGRAM IS EASY.

Upgrading your RO program is easier than you think. We'll start with an in-depth Evaluation Plan Workshop to address all your concerns, streamline the process and meet your expectations. We'll do everything possible to make any new transition smooth and easy. Once we're done, you'll love the way Oxamine and our entire RO program protects your system, your people, the environment and the bottom line.

'Brane chemistry at its best. Scan the QR Code to check out our membrane chemistry videos. See how Buckman's smarter chemistries can help you:

- Prevent pressure drop
 - Protect the quality and production of permeate
 - Extend membrane life
 - Reduce maintenance requirements and costs
 - Extend equipment life
 - Ensure productivity and profit
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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.

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