

ENVICHEM

ENVICHEM 4000

MICROORGANISM CONTROL AGENT

EnviChem 4000 is a one-component, stabilized, liquid oxidizing bromine microorganism control agent.

PRODUCT BENEFITS

- Increased efficiency over chlorine chemistry at high pH and in the presence of ammonia
- Low volatility – less halogen losses due to stripping
- Extended stability – available longer for biocontrol
- Minimal reaction with organics – less AOX formation
- Reduced attack on organic inhibitors
- One drum product - easy to feed and apply
- Effective control of Legionella

PRINCIPAL USES

- **EnviChem 4000** provides efficient and effective control of microbiological growth and associated deposits in industrial cooling towers, once-through cooling systems and pasteurizers. The product is fast acting and effective against almost all microorganisms. **EnviChem 4000** is a stabilized, bromine based, oxidizing micro-organism control agent with good biofilm penetrating and removing characteristics.
- **EnviChem 4000** is designed to effectively penetrate and remove slime deposits and to control the microbiological growth in cooling systems.

ENVI ECO ENVIRONMENTAL TECHNOLOGY JOINT STOCK COMPANY

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🌐 <https://envi-eco.com>



PROPERTIES

- Physical Aspect: liquid
- Packaging: 25kg plastic drums
- Product Density (at 25°C): $1.34 \pm 0.05 \text{ g/cm}^3$
- pH (100%, at 25°C): 13 ± 1.0
- Stability: 24 months

DOSAGE

The specific dosage of **EnviChem 4000** varies depending on the severity of the biological contamination and the nutrient availability. The average dosage for total residual halogen is 0.2-1 ppm. To control the performance of **EnviChem 4000** treatment, a suitable analytical procedure as well as a test-kit is available.

Envi Eco will recommend the optimum dosage necessary to ensure maximum program performance according to your specific system parameters.

FEEDING:

EnviChem 4000 should be fed continuously or shocked to a location in the system where it will be uniformly mixed and thoroughly distributed or close to the problem area.

EnviChem 4000 is an off-gassing liquid, therefore suction lines shall be kept short, dosing pumps shall be installed low down to minimize suction lift, and a degassing valve with bleed back to the container is necessary.

MATERIALS: Storage and application equipments (pumps, lines) should be made of PE, PP, PVC, Vinyl, Viton, Hypalon, Kynar or PTFE. Do not use carbon steel, stainless steel 304 and 316, EPDM, Brass, Aluminum, Neoprene, PU or Buna-N in contact with the neat product.

HANDLING-STORAGE-SHIPING

As a standard precaution with all chemicals we recommend the use of personal protective equipments such as goggles and rubber gloves when handling. Consult the Material Safety Data Sheet as the only official source of Environmental and Safety information.

EnviChem 4000 can be stored for at least 24 months from date of shipping if kept in its original, unopened container and under normal warehouse conditions. Protect from freezing and from exposure to high temperature.

EnviChem 4000 is available in non-returnable containers of different sizes.



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