



ENVICHEM

ENVICHEM 1220

SCALE AND CORROSION INHIBITOR

EnvChem 1220 is a boiler feedwater treatment containing a special blend of synthetic organic polymers, phosphates and alkalizing agents in liquid form.

PRODUCT BENEFITS

- Supports internal metal passivation in feedwater and boiler system – essentially non-corrosive to boiler internals
- Reduces deposits, resulting in more efficient heat transfer, energy savings and fewer acid cleanings
- Increases boiler water alkalinity

PRINCIPAL USES

- **EnvChem 1220** is designed for maximum scale and deposit inhibition in boilers running with demineralized, softened water or RO permeate at high temperatures and pressures up to 40 bars.
- **EnvChem 1220** does not contain volatile ingredients and contains only FDA approved ingredients which is suitable for food industry (including dairies).

ENVI ECO ENVIRONMENTAL TECHNOLOGY JOINT STOCK COMPANY

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📄 Tax-code: 0312572919

🌐 <https://envi-eco.com>



PROPERTIES

- Physical Aspect: liquid
- Packaging: 25kg plastic drums
- Product Density (at 25°C): $1.2 \pm 0.05 \text{ g/cm}^3$
- pH (100%, at 25°C): 13 ± 1.0
- Stability: 24 months

DOSAGE

The specific dosage of **EnviChem 1220** varies depending on the operating characteristics of your system and the water chemistry. For complete boiler water treatment **EnviChem 1220** should be used with an oxygen scavenger program.

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

FEEDING:

EnviChem 1220 must be fed continuously; any interruption in feed will result in scale or deposit formation and possible tube failure.

EnviChem 1220 should be fed preferably after the oxygen scavenger injection point. If feedwater is used for steam attemperation, the product must be fed downstream of the attemperation water takeoff. **EnviChem 1220** should not be mixed with oxygen scavengers or filming inhibitors. Condensate tank or deaerated feedwater containing an oxygen scavenger residual is preferred as injection point for **EnviChem 1220**. A stainless steel quill extending beyond the internal surfaces of the feedwater line should be used.

MATERIALS: Storage and application equipments (pumps, lines) should be made of stainless steel 304 or 316, PP, PE, PVC, PTFE, Hypalon, Viton, Neoprene or cast iron. Do not use aluminum, copper, brass, natural rubber, polyester, zinc or nylon in contact with the neat product.

HANDLING-STORAGE-SHIPING

As a standard precaution with all chemicals, we recommend the use of personal protective equipment 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 1220 can be stored for at least 24 months from date of shipping if kept in its original, unopened container and under normal warehouse conditions. It should be avoided from freezing and from exposure to high temperature.

EnviChem 1220 is available in non-returnable containers of different sizes.



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