



PRODUCT BULLETIN

ASR OPTITREAT 4221

BOILER TREATMENT

GENERAL DESCRIPTION

ASR OPTITREAT 4221 is a special blend of synthetic organic polymers, sulfite and phosphates.

PRINCIPAL USES

ASR OPTITREAT 4221 is designed to assure a high level of cleanliness in the boiler system, especially on the heat transfer surfaces. The product supports internal metal passivation in feedwater and boiler system. **ASR OPTITREAT 4221** can be used at boiler systems with deaerators and with demineralized, RO-permeate make-up with a total hardness up to 5 ppm. **ASR OPTITREAT 4221** is not volatile and is in compliance with FDA and USDA regulations. **ASR OPTITREAT 4221** can be used at pressures up to 40 bars.

PRODUCT BENEFITS

- Designed for low alkalinity RO-permeate or demineralized feedwater boiler systems
- Prevents scale formation and resulting tube failures
- Includes online cleaners removing scale and iron deposits during operation
- Multifunctional product: includes oxygen scavenger
- Reduces deposits, resulting in more efficient heat transfer, energy savings and fewer acid cleanings

DOSAGE

The specific dosage of **ASR OPTITREAT 4221** varies depending on the feed water quality and pressure.

Your local representative will recommend the optimum dosage necessary to ensure maximum program performance according to your specific system parameters.

FEEDING

ASR OPTITREAT 4221 is applied neat or diluted with softened water, condensate (<35°C) or deaerated boiler feedwater via a stainless steel quill into the suction side of feedwater pump.

ASR OPTITREAT 4221 must be feed continuously; any interruption in feed will result in scale or deposit formation and possible tube failure. If feed water is used for steam attemperation, the product must be fed downstream of the attemperation water takeoff.

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

HANDLING-STORAGE-SHIPPING

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.

ASR OPTITREAT 4221 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.

ASR OPTITREAT 4221 is available in non-returnable containers of different sizes.

REMARKS

If you need assistance or more information on this product, please call your local agent.