

## ZI-CHEM 1510

### Steam Boiler Foam Control

#### HIGHLIGHTS

ZI-CHEM 1510 is an aqueous solution of surface active compounds, which acts as a highly effective anti-foam in water systems that operated at temperatures greater than 55°C.

ZI-CHEM 1510 provides quick and effective foam suppression in boilers and other steam generating equipment. It does not contribute to any deposit potential on heat transfer surfaces, is non-combustible, and may be fed with other treatment chemicals. By reducing surface tension, it can often be one effective control measure for minimizing wet steam and problematic water carry over.

#### TYPICAL PROPERTIES

- Appearance: Clear colourless liquid
- Specific gravity: 1.0 – 1.1
- pH (neat) 4.0 – 8.0
- Freeze point 0°C
- Solubility (25°C) Unlimited

#### PRIMARY APPLICATIONS

The primary feed point for steam boilers is continuous or slug dosed to the deaerator storage vessel via stainless steel injection quill. Alternate location is the feedwater line.

#### FEEDING & CONTROL

ZI-CHEM 1510 should be injected to boiler or pre-boiler added using a chemical metering pump with liquid end constructed of suitable materials. These include PVC, polypropylene, Viton, Teflon and stainless steel.

The dosage will depend on the operating conditions and the chemistry of the water being treated.

Your ZI-TECHASIA technical field specialist will recommend the most appropriate dosage for your particular application on an ongoing basis.

#### APPROVAL

FDA acceptable in accordance with 21 CFR Sections 175.105 Adhesives for food packaging, 176.200 Coatings on food packaging, 176.210 Paper and board for food packaging, 173.310, Boiler water additives, 173.340 Defoaming agents in food processing. Also USDA G5 & G6 steam boiler applications in food industry.

#### THE BENEFITS

- Increased steam production & quality
- Reduced total fuel cost
- Suitable for food industries
- Easy handling due to its liquid form

#### COMMON APPLICATIONS

- Automotive industries
- Packaging facilities
- Pharmaceutical
- Food Industries
- Pulp & Paper processing
- Timber processing

#### PACKAGING

- 25L pails
- 220L drums
- 1,000L IBC's or in bulk

#### HANDLING & SAFETY

ZI-TECHASIA maintains a database of material safety data sheets (MSDS) on all our products. These contain health & safety information to assist in the safe and appropriate chemical handling, ensuring the protection of personnel.

