

ZI-CHEM 1680 Steam Boiler Scale Inhibitor

HIGHLIGHTS

ZI-CHEM 1680 is an essential component of a comprehensive boiler efficiency management program.

It is designed to prevent dense deposits adhering to critical heat exchange surfaces and thereby maximizing heat transfer and preventing increases in fuel consumption.

This product is comprised of a high performance blend of scale inhibitors, including thermally stable polymer dispersants, metals sequesterants, organic sludge conditioners and antifoam. This is coupled with a blend of polyphosphates.

This combination is effective where hardness is present in the feedwater (eg: when the pre-treatment water softening equipment is not present or functioning correctly).

ZI-CHEM 1680 has been thoroughly tested proven thermally stable up to 1,200 psig.

TYPICAL PROPERTIES

- Appearance: Dark brown liquid
- Specific gravity: 1.1 – 1.3
- pH (neat) 11.0 – 14.0
- Freeze point: -2.2°C
- Flash point (PMCC) None

PRIMARY APPLICATIONS

ZI-CHEM 1680 is injected to the preboiler section neat or as a diluted solution using a chemical metering pump with liquid end constructed of suitable materials. These include PVC, polypropylene, viton, Teflon and stainless steel.

The preferred feed point is downstream of the boiler feed water pump.

FEEDING & CONTROL

The dosage will depend on the operating conditions and the chemistry of the water being treated. Because this product does not react stoichiometrically with feedwater impurities, stringent control is not required.

Your water treatment technical field specialist will recommend the most appropriate dosage for your particular application on an ongoing basis.

PRODUCT REGISTRATION

ZI-CHEM 1680 is registered to the NSF Nonfood Compounds Registration Program under Category Code G6 (Boiler treatment products – all food processing areas/food contact).

FDA acceptable in accordance with 21 CFR Section 173.310- Boiler water additive.

Halal certification by MUI-Singapore.

THE BENEFITS

- Reduced total fuel cost
- Increased steam production
- No off-line cleaning required
- Extended equipment life
- Suitable for high pressure boiler up to 1,200 psig

COMMON APPLICATIONS

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

PACKAGING

- 25kg pails
- 200kg drums
- 1,000kg IBC containers

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.

