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## **PRODUCT DATA**

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### **AES-A-381**

### **STERILIZER CORROSION & SCALE INHIBITOR**

#### **DESCRIPTION AND USE**

AES-A-381 is designed to represent one of the most effective Corrosion & Scale inhibitors for high temperature applications. It is designed to effectively control calcium carbonate, iron oxides and mangnous oxides deposits. It helps in loosening of the deposits by crystal distortion and prevents redeposition of the removed deposits by keeping in dispersed form. The specific corrosion inhibitors incorporated in the product offer excellent multimetal protection.

#### **CHEMICAL FEEDING AND CONTROL**

AES-A-381 is normally fed continuously during the cleaning operation. However shot feeding may be satisfactory in some circumstances. The product may either be fed neat directly from the shipping container or diluted with water and mixed in chemical feed tank. It is advisable to use polypropylene or HDPE for dosing system.

#### **TYPICAL PROPERTIES**

Appearance: Clear Yellow To Golden liquid  
Odor: Mild Characteristic  
Specific Gravity: 1.04 - 1.08  
pH: 3.0 -5.0  
Solubility: Completely Soluble  
(All values approximate)

#### **SAFETY AND HANDLING**

Do not take internally. If ingested drink at least two glasses of water and get medical attention. Contact with eyes causes severe irritation or burns. For skin contact wash with soap & water. For additional information see the Material Safety Sheet provided with this product.

#### **PACKAGING**

AES-A-381 is packaged in 200 & 25 liter (nominal volume) non-returnable plastic drums.

# AES TREATMENT PROGRAMS & SERVICES

## Cooling Water Treatment Programs

Corrosion Inhibitors  
Antiscalants & Antifoulants  
Biocides  
Antifoams

## Boiler Water Treatment Programs

Oxygen Scavengers  
Corrosion Inhibitors ( Pre-Boiler, Boiler and After  
Boiler)  
Deposit Inhibitors ( Sludge Conditioners)  
Antifoams  
Alkalinity Builders

## Potable Water Treatment Programs

Corrosion Inhibitors  
Deposit/ Scale Inhibitors  
Disinfectants

## Fuel Treatment (Solid & Liquid)

Deposit/ Corrosion Inhibitors  
Combustion Catalysts

## Coagulants & Flocculants

Organic & Inorganic

## Odor Control Programs

Masking Agents  
Reactive Odor Control  
Enzymes

## Hard Surface Cleaners

General Purpose Cleaners  
Descalers  
Neutralizers

## Brewery & Bottling Plants

Pasteurizers  
Bottle Washers  
Conveyer Chain Lubricants

## Metal Treatment Chemicals

Cutting Lubricants  
Degreasers  
Passivators  
Phosphatizing Chemicals  
Electroplating Chemicals

## R.O. Water Treatment

Scale Inhibitors  
Membrane Cleaning Chemicals  
ANSI/ NSF Approved Antiscalants

## Thermal Desalination Treatment

Scale and Corrosion Inhibitors  
Antifoams  
Descalers

## Steam & Condensate Programs

Corrosion Control  
USDA/ FDA Approved Additives

## Raw Water & Wastewater Programs

Coagulants      Odor control  
Flocculants      Enzymes  
Disinfectants    Bacterial Spores  
Antifoams      Emulsion Breakers

## Process Treatment Programs

Specialty Chemical Additives

## Commercial Laundry Chemicals

Built Detergents  
Emulsifiers  
Fabric Softeners  
Peroxide Bleach  
Chlorine Bleach  
Scoring Agents

## Services

Technical & Engineering Consultations  
Analytical Services  
Ion Exchange Resins Evaluation  
Reverse Osmosis Cleaning

## Equipment Supply

Water & Wastewater Treatment Plants  
Filters, Pumps  
Tanks  
Chemical Feed Systems  
PH Controllers  
Blow down Controllers  
Automatic Control Systems  
SCADA

Manufactured in the Kingdom of Saudi Arabia by :

The logo for AES, featuring the letters 'AES' in a bold, italicized, red font with a white outline.

## **AES ARABIA LTD**

Environmental & Process Engineering

P.O. Box 105689, Riyadh 11656, Kingdom of Saudi Arabia

Phone: 966 11 4772398 Fax: 966 11 4785456

e-mail: [info@aesarabia.com](mailto:info@aesarabia.com)

[www.aesarabia.com](http://www.aesarabia.com)