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## PRODUCT DATA

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### AES-A-426 BOILER WATER DISPERSANT

#### DESCRIPTION AND USE

AES-A-426 is a combination of carboxylated organic polymers designed for use as boiler water dispersant. The product is normally used in combination with other treatment chemicals when developing a controlled precipitation program.

AES-A-426 is also used as an effective cleaning agent for water systems. Due to its strong crystal distortion property it removes existing deposits when used at a suitable concentration.

AES-A-426 is specifically formulated so that the product ingredients comply with FDA regulations published in CFR - 21 part 173.310 entitled "Boiler Water Additives". The ingredients are USDA registered for use in boilers where steam contacts food or edible products.

#### CHEMICAL FEEDING AND CONTROL

AES-A-426 is normally fed continuously to the system being treated. However, shot feeding may be satisfactory in some circumstances. The product may either be fed neat directly from the shipping container or diluted and mixed in a chemical feed tank. Normal materials of construction like steel, stainless steel or HDPE are satisfactory for the chemical feed system.

AES-A-426 is either fed based on steam production or proportional to the feed of another chemical as no convenient field test is available. The specific feed rate will vary depending upon system operating conditions and will be specified by the technical representative servicing the facility.

For water system cleaning applications, the exact concentration will be specified by the technical representative servicing your facility.

#### TYPICAL PROPERTIES

Appearance: Clear Colourless Amber To Pale yellow liquid

Odor: Practically none

Flash Point: None

Specific Gravity: 1.03-1.08

pH : 1.0 To 5.0

Freeze Point: < -7°C(20°F)

(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. If eyes are contacted, immediately flush with clear water for 15 minutes and if irritation persists, get medical attention. For skin contact, wash with soap and water. For additional information, the Material Safety Data Sheet is available on request.

#### PACKAGING

AES-A-426 is packaged in 200 and 25 liter (nominal volume) 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 :



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