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## PRODUCT DATA

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### **AES-A-909 ANIONIC POLYELECTROLYTE**

#### **DESCRIPTION AND USE**

AES-A-909 is a synthetic high molecular weight anionic polyelectrolyte. It is completely soluble in water forming solution of high viscosity. AES-A-909 has been specifically designed for use in a wide variety of industrial applications to enhance liquid / solid separation.

#### **TYPICAL APPLICATIONS**

Waste Water Clarification  
Paper liquor Clarification  
Sludge Dewatering  
Influent Clarification  
Metal Removal Clarification  
Retention Aid  
Aggregate Clarification  
Paper Recycle Clarification  
Mining Processing

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

AES-A-909 must be mixed in a chemical feed tank utilizing an agitator to ensure complete dissolving of the material. Typical stock solutions are prepared as 0.5 - 1.0% aqueous solution. It is preferable to dilute this solution to 0.05 to 0.10% before actually dosing into the system. Stainless steel or plastic material is recommended for mixing tanks and dosing pumps. Control ranges vary on the actual operating conditions. The technical representative servicing the facility will provide the details of dosages and solution preparation.

#### **TYPICAL PROPERTIES**

Appearance: White Crystalline Powder

#### **SAFETY AND HANDLING**

AES-A-909 in concentrated form may be toxic by ingestion. 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, see the Material Safety Data Sheet provided with this product.

#### **PACKAGING**

AES-A-909 is packaged in 25 Kg Bag .

#### **SHELF LIFE**

The shelf life of AES-A-909 is Two year in unopened containers. Stock solution should be prepared daily.

# 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.

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