



PRODUCT DATA

AES-A-909C ANIONIC POLYELECTROLYTE

DESCRIPTION AND USE

AES-A-909C is a synthetic high molecular weight anionic polyelectrolyte. It is completely soluble in water forming solution of high viscosity. AES-A-909C has been specifically designed for use in a wide variety of industrial applications to enhance liquid / solid separation. AES-A-909C is manufactured in accordance with 21 CFR section 176.110, 176.170 and 176.180 as set forth by food & drug administration.

TYPICAL APPLICATIONS

1. Pre-treatment of water for Reverse Osmosis, and Hyperfiltration
2. Waste Water Clarification
3. Paper liquor Clarification
4. Sludge Dewatering
5. Influent Clarification
6. Metal Removal Clarification
7. Retention Aid
8. Aggregate Clarification
9. Paper Recycle Clarification
10. Mining Processing

CHEMICAL FEEDING AND CONTROL

AES-A-909C 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: Off White To White Powder

SAFETY AND HANDLING

AES-A-909C 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-909C is packaged in 25 Kg Bags.

SHELF LIFE

The shelf life of AES-A-909C is one year in unopened containers / Bag. 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 :



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

www.aesarabia.com