



PRODUCT DATA

AES-A-902 CATIONIC POLYELECTROLYTE

DESCRIPTION

AES-A-902 is a liquid cationic flocculent which works effectively as primary coagulant in the clarification of water and oily waste. The ingredients of AES-A-902 are approved for use in potable water treatment in the United States and the United Kingdom.

ADVANTAGES

- Easy to apply. Pourable liquid, which simplifies dilution, feed and handling operations.
- Economical. Effective at low dosage levels resulting in reduced handling and storage costs.
- Eliminates inorganic flocculants.
- Forms low volume sludge.
- Requires less frequent sludge blow-down.
- Increases time between filter backwashes.
- Effective over wide pH range and eliminates need for pH adjustment.
- Removes turbidity and color from water.
- Immediately soluble in water at all concentrations.
- Non-corrosive.
- Improves solids capture and clarity of filtrate or supernatant.

PRINCIPAL USES:

- Replaces inorganic salts as primary coagulant in influent and effluent treatment.
- Can be applied in Gravity settling, Clarifiers, Air Flotation separation, direct filtration - pressure and gravity, drying beds, dewatering by vacuum filter or filter belt.
- Pre-treatment of water for Reverse Osmosis, and Hyperfiltration and secondary oil recovery.
- Treatment of effluent waters containing organic matter, cellulose, and oil.
- Improving clarity from inorganic settlement operations.
- Sewage sludge treatment.
- Food Industry.
- Treatment of highly organic wastes.

TREATMENT LEVELS

Primary Coagulant: 1 - 40 mg/l
Coagulant aid: 0.2 - 10mg/l
Flotation: 1 - 40 mg/l

TYPICAL PROPERTIES

Appearance: Clear Amber To Yellow Liquid
Specific Gravity: 1.02 - 1.08
pH (as supplied): 3.0 – 6.0
Solubility in water: Completely Soluble
(All values approximate)

APPLICATION

The product should be metered to the system using a corrosion resistant positive displacement pump at a concentration of 1% or less. Dissolution is possible via in-line dilution with water.

HANDLING

The product has a low order of toxicity and is not irritating to skin or eye. Consequently only normal measures of personal hygiene and plant housekeeping should be needed in handling this product. Spills are slippery and should be flushed immediately with water.

PACKAGING

AES-A-902 is available 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 :

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

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