



PRODUCT DATA

AES-A-345 CLOSED SYSTEM INHIBITOR

DESCRIPTION AND USE

AES-A-345 is a liquid blend of tannins, alkalis and polymers. It is specifically formulated for the treatment of closed recirculating water systems constructed of multiple metallurgy. The product is used in both low and high temperature systems. It may be used for waters with a high alkaline hardness, low non-alkaline hardness, high CO₂ and low silica level.

CHEMICAL FEEDING AND CONTROL

AES-A-345 is normally dosed so as to maintain the tannin index of 12-18 and pH above 10. The initial dose is normally 4.5 liters / m³.

AES-A-345 is suitable for Ferrous and cupreous materials and should not be used in presence of aluminum.

TYPICAL PROPERTIES

Appearance: Dark Brown Liquid
Flash Point: None
Specific gravity: 1.02 - 1.06
pH:12.0-14.0
Freeze Point: -2.0 deg C
(All figures approximate)

SAFETY AND HANDLING

Do not take internally. If ingested, drink plenty of water. Do Not induce vomiting. Get immediate medical attention. Contact with eyes causes irritation. If eyes are contacted, immediately flush with clear water for 15 minutes and if irritation persists, get medical attention. For skin contact, wash with cold water. Remove any contaminated clothing seek immediate medical attention in severe cases. For additional information, the Material Safety Data Sheet (MSDS) is available on request.

PACKAGING

AES-A-345 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 :

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

www.aesarabia.com