



PRODUCT DATA

AES-A-334 INHIBITED ACID CLEANER

DESCRIPTION AND USE

AES-A-334 is a special organic acid formulation designed for the cleaning and maintenance of cooling water systems, boilers, evaporators, potable water systems, closed cooling systems and heating water systems. The product is particularly effective at removing scales & inorganic deposits like Calcium & Magnesium Carbonates, iron and copper oxide deposits. The product is inhibited to minimize corrosion of the equipment being cleaned.

APPLICATION AND REQUIREMENTS

When used for cleaning water systems, AES-A-334 is added to the system to be cleaned at the typical rate of 2 - 7%, depending upon the severity of the deposits to be removed. It is then circulated for 4-24 hours. The heating of the solution up to a maximum of 140°F will speed the reactions and assist in the removal of the deposits. During the cleaning, the acid strength may be monitored with the readings indicative of either when the cleaning is complete or the acid is spent.

TYPICAL PROPERTIES

Appearance: Colorless to Pale yellowish liquid
Odor: Slightly pungent
Flash Point: None
Specific gravity: 1.18 - 1.24
pH: 2.0 - 4.0
Freeze Point: <-4°C (26°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 get medical attention. For skin contact, wash with soap and water. Wear goggles and rubber gloves when handling. Immediately change and launder contaminated clothing before reuse. For additional information, the Material Safety Data Sheet is available on request.

PACKAGING

AES-A-334 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, consisting of the letters 'AES' in a bold, italicized, red font with a white outline.

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