



PRODUCT DATA

AES-A-421 WATER SYSTEM CLEANER ACID NEUTRALIZER

DESCRIPTION AND USE

AES-A-421 is a concentrated, specially formulated acid neutralizer for use in water systems after acid cleaning and flushing. The product does not contain free caustic thus permitting a maximum degree of safety when handling. When used for this purpose, it should be recirculated in the cleaned system until the pH is stabilized above 10.0. The system should then be flushed and pretreated with a suitable inhibitor to prevent initial corrosion from occurring either in pockets of water remaining in the system after draining or, where the system is immediately refilled, to rapidly establish a passivating film on the metal surfaces.

AES-A-421 is specifically useful for cleaning of newly installed water systems. It aids in the removal of Oil, grease from the new systems. AES-A-421 is used in conjunction with AES-A-207 for precommission cleaning of new water systems.

CHEMICAL FEEDING AND CONTROL

AES-A-421 should be mixed in a tank prior to addition to the system. An agitator will aid in the complete dissolving of the material. Where the system is to be drained subsequent to neutralizing and then put into temporary storage, it may be possible to mix the inhibitor to be used with the neutralizer so that an extra step can be avoided. The technical representative servicing the facility must be consulted prior to attempting this to insure both inhibitor compatibility and proper inhibitor levels are applied.

TYPICAL PROPERTIES

Appearance: White, crystalline powder
Odor: Odorless
Flash Point: None
pH (1% Solution): 9.0-14

SAFETY AND HANDLING

Do not take internally. If ingested, drink at least two glasses of water and get medical attention. DO NOT induce vomiting. Avoid breathing dust. Contact with eyes causes severe 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 soap and water. For additional information, the Material Safety Data Sheet is available on request.

PACKAGING

AES-A-421 is packaged in 25 and 50 kilo fiber 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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