



PRODUCT DATA

AES-D-421 MICROBIOCIDES/ DISINFECTANT

DESCRIPTION AND USE

AES-D-421 is a broad spectrum fast acting liquid microbiocide for use in ultrafiltration and cooling systems. It provides a low cost effective solution for control of microorganisms in membrane systems. AES-D-421 has a broad spectrum activity against algae, fungi and bacteria AES-D-421 is very effective in removing existing bio-films and inhibits formation of new bio-films. AES-D-421 is readily degradable when diluted.

CHEMICAL FEEDING AND CONTROL

Use AES-D-421 at 30 - 120 mg/l.
Specific treatment ranges and control methods employed must be specified and recommended by the technical representative servicing the facility.

TYPICAL PROPERTIES

Appearance: Clear Yellow to Amber Liquid
Odor: Characteristic
Solubility: Mixable in any proportion
pH: 2.0 – 6.0
Specific gravity: 1.0 -1.26
(All values approximate)

SAFETY AND HANDLING

Store in a cool dry place. In accordance with good safety practice, handle with care and avoid contact with eyes and prolonged or repeated contact with skin. **DO NOT TAKE INTERNALLY.** If ingested, do not give victim anything to drink. **DO NOT induce vomiting.** GET IMMEDIATE MEDICAL ATTENTION. Contact with eyes may cause irritation. If eyes are contacted, immediately flush with clear water for 15 minutes. Avoid skin contact, wash with soap and water. The use of goggles or face shield and rubber gloves when handling this product is recommended. For more information, the Material Safety Data Sheet is available on request.

PACKAGING

AES-D-421 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.

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