



PRODUCT DATA

AES-F-3020 HIGH TEMPERATURE ANTIFOAM

DESCRIPTION AND USE

AES-F-3020 is formulated as specific, high temperature antifoam designed for controlling foaming and priming in seawater desalination plants.

The dosage levels are in the range of 0.05 to 0.2 mg/lit in the seawater feed stream, depending on feed water quality.

CHEMICAL FEEDING AND CONTROL

The recommended dosing point for AES-F-3020 is into the seawater makeup line after deaeration and decarbonation or into the recycle brine stream at a suitable point after the blow down into the discharge of the recycle brine pump.

AES-F-3020 is dosed as a 0.5 to 1% w/w emulsion in distillate. The procedure for emulsion preparation is as follows:

- 1) Add 50% of total required quantity of distillate water in the day tank.
- 2) Start the mixer.
- 3) Add the required quantity of AES-F-3020 in the tank.
- 4) Add the remaining quantity of distillate water.
- 5) Continue agitation for 15-20 minutes.

The dosage of AES-F-3020 depend on the water parameters like dissolved organics, suspended solids, etc.

The specific feed rate will vary depending upon system operating conditions and will be specified by the technical representative servicing the facility.

TYPICAL PROPERTIES

Appearance: Clear oily to pale yellow liquid

Odor: Faint

Specific gravity: 0.94-1.01

Viscosity at 25 Deg C: 310 cps

(All values approximate)

SAFETY AND HANDLING

Do not take AES-F-3020 internally. If ingested, drink at least two (2) glasses of water. Do not induce vomiting or give anything by mouth to an unconscious person. Get 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 soap and water. For additional information, the Material Safety Data Sheet is available on request.

PACKAGING

AES-F-3020 is packaged in 200 liter (nominal volume) non-returnable MS 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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