



---

## **PRODUCT DATA**

---

### **AES-S-3020F ANTIFOAM FOR SUGAR INDUSTRY**

#### **DESCRIPTION AND USE**

AES-S-3020F is formulated as a specific antifoam designed for treatment of foam generated during various stages of sugar manufacturing processes like extraction, purification, filtration, evaporation and distillation. AES-S-3020F does not affect the rate of oxygen supply to the nutrient solution during distillation process. It can operate over a wide range of temperatures (even >60°C, 140°F). When added to the system to be treated, it will both act as a defoamer and also have a residual effect to minimize recurrence of the foaming. The product is biodegradable and based on vegetable oil, which makes it ideally, suited for these applications.

#### **CHEMICAL FEEDING AND CONTROL**

AES-S-3020F is normally fed continuously to the system being treated. Normal materials of construction are satisfactory for the chemical feed system.

AES-S-3020F feed rate will vary depending upon system operating conditions and amount of foam generated.

#### **TYPICAL PROPERTIES**

Appearance Clear Yellow To Amber  
Liquid  
Specific gravity ; 0.95 To 1.1  
(All values approximate)

#### **SAFETY AND HANDLING**

AES-S-3020F may be toxic by ingestion. Do not take internally. If ingested, drink at least two 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-S-3020F is packaged in 25 liter and 200 liter (nominal volume) non-returnable 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 :

## **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](mailto:info@aesarabia.com)

[www.aesarabia.com](http://www.aesarabia.com)